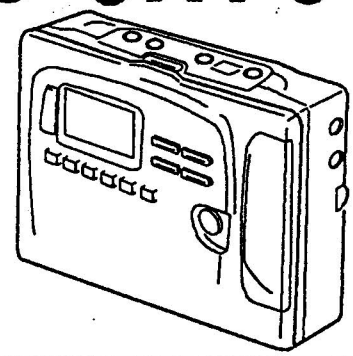
S/M Code No.91-090 DATE OF ISSUE 9/1991-1

AIWA®

HS-JX707
HS-JX707D

SERVICE MANUAL



STEREO RADIO CASSETTE RECORDER

- BASIC TAPE MECHANISM : 0ZM-4
- TYPE: JX707H,U,C,E,K,Z JX707DAH

AIWA Co., Ltd.

Tokyo Japan

Printed in Japan

SPECIFICATIONS

(JX-707)

Frequency range:
FM: 87.5/87.5 — 108.1/108MHz (200kHz/50kHz STEP)
AM: 530/531 — 1710/1602kHz (10/9kHz STEP)
Maximum output:
7mW + 7mW (EIAJ/32Ω)
10mW + 10mW (EIAJ/16Ω)
Power source:
Battery DC 2V, rechargeable battery (PB-S5)
Battery DC 3V, LR-03 (UM-4, AAA, R03) × 2
Domestic AC power (using the optional AC adaptor)
Battery life:
Rechargeable battery (PB-S5)
Approx. 2 hours (EIAJ, REC/1 hour recharging)
Approx. 1.5 hours (EIAJ, PB 1mW/10 minutes recharging)
Approx. 2.5 hours (EIAJ, PB 1mW/1 hour recharging)
Dimensions:
76.2 (W) × 107 (H) × 27.2 (D) mm
(3 × 4¼ × 1⅛ inches)
Weight:
Approx. 220g (0.48 lbs) incl. rechargeable battery
Accessories:
Stereo headphones (1)
Remote control (1)
One-point stereo microphone (1)
Rechargeable battery (PB-S5) (1)
Battery case (1)
Battery charger (AC-209) (1)
Carrying case (1)
<Battery charger:>
Rated voltage:
AC209H AC115/230V, switchable
AC209E AC220V
AC209K AC240V
AC209UC AC120V
Rated input:
10VA 50/60Hz
Usable batteries:
AIWA rechargeable battery (PB-S5)
Rated output:
DC 2.5V 350mA

(JX-707D)

Frequency range:
FM: 76 — 108 MHz
AM: 530/522 — 1710/1629kHz (10/9kHz STEP)
TV : 1-3ch (95.5-108MHz) 4-12ch (175-222.5MHz)
Maximum output:
7mW + 7mW (EIAJ/32Ω)
10mW + 10mW (EIAJ/16Ω)
Power source:
Battery DC 2V, rechargeable battery (PB-S5)
Battery DC 3V, LR-03 (UM-4, AAA, R03) × 2
Domestic AC power (using the optional AC adaptor)
Battery life:
Rechargeable battery (PB-S5)
Approx. 2 hours (EIAJ, REC/1 hour recharging)
Approx. 1.5 hours (EIAJ, PB 1mW/10 minutes recharging)
Approx. 2.5 hours (EIAJ, PB 1mW/1 hour recharging)
Dimensions:
76.2 (W) × 107 (H) × 27.2 (D) mm
Weight:
Approx. 220g incl. rechargeable battery
Accessories:
Stereo headphones (1)
Remote control (1)
One-point stereo microphone (1)
Rechargeable battery (PB-S5) (1)
Battery case (1)
Battery charger (AC-209) (1)
Carrying case (1)
<Battery charger: AC-209W>
Rated voltage:
AC 100-120/220-240V, switchable
Rated input:
10VA 50/60Hz
Usable batteries:
AIWA rechargeable battery (PB-S5)
Rated output:
DC 2.5V 350mA

■ ACCESSORIES/PACKAGE LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q,TY
	1	★81-HJ1-906-010	INSTRUCTION BOOKLET EX (707)	※	1
	2	★81-HJ1-905-110	INSTRUCTION BOOKLET EX (D) (707D)	※	1
	3	★81-HJ1-951-010	REMOTE CONTROLLER RC-J70	※	1
	4	★87-041-056-010	MIC, CM-S20		1
	5	★81-HJ1-952-010	CARRYING CASE EX	※	1
	6	★87-047-109-010	PB-S5Y		1
	7	★09-027-882-010	BATTERY BOX ASSY [J-B]		1
	8	★87-009-724-010	PLUG, ADPTR,IR39 (707D)		1
	9	★87-042-079-010	METAL,FTG-A (707D)		1
	10	★87-042-083-110	AC-209H (H)		1
	11	★87-042-084-110	AC-209U/C (U,C)		1
	12	★87-042-085-110	AC-209E (E,Z)		1
	13	★87-042-086-110	AC-209K (K)		1
	14	★87-042-080-210	AC-209W (707D)		1
	15	87-048-198-010	HP-19N (BK) (H1,E1,K1,707D)		1
	16	87-048-213-019	HP-A270 (U,C,E,Z)		1

ELECTRICAL MAIN PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
=== IC ===		
	87-002-522-080	IC,CXA1405AM
	87-002-425-080	IC,MM1085 XF
	87-002-463-080	IC,MSM6374-534GS
	87-020-955-180	IC,NJM2065AM
	87-002-545-080	IC,TA2018FN
	87-020-234-080	IC,TA7688F(S)
	87-001-971-080	IC,TA8132AF
	87-001-931-080	IC,TA8152AFN
	87-002-360-080	IC,TA8154FN(HS-JX707D)
	87-001-894-080	IC,TA8155FN
	87-002-544-080	IC,TA8161F
	$87-002-611-080	IC,TB2003-003-FN
	87-001-550-080	IC,TC7S04F
	87-001-585-080	IC,TC7S32F
	87-002-516-010	IC,TC9316F-003(HS-JX707D)
	87-002-543-010	IC,TC9316F-004(HS-JX707)
	87-001-151-080	IC,TD6134FI
	87-002-406-080	IC,TPIC326ADB
	87-002-467-010	IC,XRC5484
=== TRANSISTOR ===		
	89-112-134-080	TRANSISTOR,2SA1213Y
	89-113-625-080	TRANSISTOR,2SA1362GR
	89-115-864-080	TRANSISTOR,2SA1586Y
	89-115-884-080	TRANSISTOR,2SA1588Y
	89-341-165-080	TRANSISTOR,2SC4116GR
	89-342-132-080	TRANSISTOR,2SC4213B
	89-342-153-080	TRANSISTOR,2SC4215O
	89-508-804-080	FET,2SK880 Y
	89-508-824-080	FET,2SK882 Y
	87-026-346-080	TRANSISTOR,DTC114YU(HS-JX707D)
	87-026-342-080	TRANSISTOR,DTC144EU
	87-026-467-080	TRANSISTOR,HN1C01F(GR)
	87-026-470-080	TRANSISTOR,HN1C03F(B)
	87-026-412-080	TRANSISTOR,RN1305
	87-026-414-080	TRANSISTOR,RN1307
	87-026-417-080	TRANSISTOR,RN1310
	87-026-418-080	TRANSISTOR,RN1311
	87-026-474-080	TRANSISTOR,RN1605
	87-026-475-080	TRANSISTOR,RN1607
	87-026-476-080	TRANSISTOR,RN1610(HS-JX707D)
	$87-026-422-070	TRANSISTOR,RN2304
	87-026-423-080	TRANSISTOR,RN2305
	87-026-425-080	TRANSISTOR,RN2307
	87-026-478-080	TRANSISTOR,RN2607
	87-026-479-080	TRANSISTOR,RN2610
	87-026-481-080	TRANSISTOR,RN4607
	87-026-482-080	TRANSISTOR,RN4610
=== DIODE ===		
	87-001-165-080	DIODE,CHIP 1SS300
	87-001-166-080	DIODE,CHIP 1SS301
	87-001-167-080	DIODE,CHIP 1SS302
	87-001-221-080	DIODE,CHIP 1SS319
	87-001-553-080	DIODE,CHIP 1SS322
	87-001-764-080	DIODE,CHIP 1MN10
=== MAIN CIRCUIT BOARD SECTION ===		
C1	$87-015-923-080	CAP,CHIP TANTALUM 0.22-35
C2	$87-015-923-080	CAP,CHIP TANTALUM 0.22-35
C3	$87-010-787-080	CAP,CHIP U 0.022-25B
C4	$87-010-787-080	CAP,CHIP U 0.022-25B

REF.NO.	PART NO.	DESCRIPTION
C5	\$87-010-805-080	CAP,CHIP S 1-16 F
C6	\$87-010-805-080	CAP,CHIP S 1-16 F
C7	\$87-010-805-080	CAP,CHIP S 1-16 F
C8	\$87-010-805-080	CAP,CHIP S 1-16 F
C9	\$87-012-195-080	CAP,CHIP U 100P-50 CH
C10	\$87-012-195-080	CAP,CHIP U 100P-50 CH
C11	\$87-010-805-080	CAP,CHIP S 1-16 F
C12	\$87-010-805-080	CAP,CHIP S 1-16 F
C13	\$87-012-274-080	CAP,CHIP U 1000P-50 B
C14	\$87-012-274-080	CAP,CHIP U 1000P-50 B
C15	\$87-012-269-080	CAP,CHIP U 390P-50 B
C16	\$87-012-269-080	CAP,CHIP U 390P-50 B
C17	\$87-010-949-080	CAP,CHIP S 0.01-50 B J
C18	\$87-010-949-080	CAP,CHIP S 0.01-50 B J
C19	\$87-010-640-080	CAP,CHIP TANTALUM 22-4
C20	\$87-010-640-080	CAP,CHIP TANTALUM 22-4
C21	\$87-010-805-080	CAP,CHIP S 1-16 F
C22	\$87-010-805-080	CAP,CHIP S 1-16 F
C23	\$87-010-805-080	CAP,CHIP S 1-16 F
C24	\$87-010-805-080	CAP,CHIP S 1-16 F
C25	\$87-010-757-080	CAP,CHIP U 0.047-25F
C26	\$87-010-757-080	CAP,CHIP U 0.047-25F
C27	\$87-015-934-080	CAP,CHIP TANTALUM 2.2-4
C28	\$87-015-934-080	CAP,CHIP TANTALUM 2.2-4
C29	\$87-012-141-080	CAP,CHIP S 0.22-16 F
C30	\$87-012-141-080	CAP,CHIP S 0.22-16 F
C31	\$87-012-141-080	CAP,CHIP S 0.22-16 F
C32	\$87-012-141-080	CAP,CHIP S 0.22-16 F
C33	\$87-015-934-080	CAP,CHIP TANTALUM 2.2-4
C34	\$87-015-934-080	CAP,CHIP TANTALUM 2.2-4
C35	\$87-012-284-080	CAP,CHIP U 6800P-50 B
C36	\$87-012-284-080	CAP,CHIP U 6800P-50 B
C37	\$87-012-197-080	CAP,CHIP U 150P-50 CH
C38	\$87-012-197-080	CAP,CHIP U 150P-50 CH
C39	\$87-012-283-080	CAP,CHIP U 5600P-50 B
C40	\$87-012-283-080	CAP,CHIP U 5600P-50 B
C41	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C42	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C43	\$87-012-283-080	CAP,CHIP U 5600P-50 B
C44	\$87-012-283-080	CAP,CHIP U 5600P-50 B
C45	\$87-010-805-080	CAP,CHIP S 1-16 F
C46	\$87-010-805-080	CAP,CHIP S 1-16 F
C47	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C48	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C49	\$87-010-757-080	CAP,CHIP U 0.047-25F
C50	\$87-010-757-080	CAP,CHIP U 0.047-25F
C51	\$87-010-757-080	CAP,CHIP U 0.047-25F
C52	\$87-010-757-080	CAP,CHIP U 0.047-25F
C53	\$87-012-273-080	CAP,CHIP U 820P-50 B
C54	\$87-012-273-080	CAP,CHIP U 820P-50 B
C55	\$87-012-195-080	CAP,CHIP U 100P-50 CH
C57	\$87-012-195-080	CAP,CHIP U 100P-50 CH
C58	[illegible]	[illegible]
C59	[illegible]	CAP,CHIP TANTALUM 2.2-4
C60	\$87-010-757-080	CAP,CHIP U 0.047-25F
C61	\$87-010-757-080	CAP,CHIP U 0.047-25F
C62	\$87-015-934-080	CAP,CHIP TANTALUM 2.2-4
C63	\$87-015-934-080	CAP,CHIP TANTALUM 2.2-4
C64	\$87-010-424-080	CAP,CHIP TANTALUM 4.7-4
C65	\$87-010-424-080	CAP,CHIP TANTALUM 4.7-4
C66	\$87-012-142-080	CAP,CHIP S 0.33-16 F
C67	\$87-012-142-080	CAP,CHIP S 0.33-16 F
C68	\$87-010-758-080	CAP,CHIP U 0.068-25F
	\$87-010-758-080	CAP,CHIP U 0.068-25F

REF.NO.	PART NO.	DESCRIPTION
C69	\$87-010-758-080	CAP,CHIP U 0.068-25F
C70	\$87-010-758-080	CAP,CHIP U 0.068-25F
C71	\$87-010-805-080	CAP,CHIP S 1-16 F
C72	\$87-010-805-080	CAP,CHIP S 1-16 F
C73	\$87-012-281-080	C-CAP,U 3900P-50 B
C74	\$87-012-281-080	C-CAP,U 3900P-50 B
C75	\$87-016-034-080	CAP,CHIP U 0.027-25 F
C76	\$87-016-034-080	CAP,CHIP U 0.027-25 F
C77	\$87-010-805-080	CAP,CHIP S 1-16 F
C78	\$87-010-805-080	CAP,CHIP S 1-16 F
C79	\$87-010-805-080	CAP,CHIP S 1-16 F
C80	\$87-010-805-080	CAP,CHIP S 1-16 F
C81	\$87-012-275-080	CAP,CHIP U 1200P-50 B
C82	\$87-012-275-080	CAP,CHIP U 1200P-50 B
C83	\$87-012-141-080	CAP,CHIP S 0.22-16 F
C84	\$87-012-141-080	CAP,CHIP S 0.22-16 F
C85	\$87-010-822-010	CAP,ELECT 220-4 (MJ)
C86	\$87-010-822-010	CAP,ELECT 220-4 (MJ)
C101	\$87-010-640-080	CAP,CHIP TANTALUM 22-4
C102	\$87-010-746-080	CAP,CHIP TANTALUM 10-4
C103	\$87-010-640-080	CAP,CHIP TANTALUM 22-4
C104	\$87-012-274-080	CAP,CHIP U 1000P-50 B
C105	\$87-012-270-080	CAP,CHIP U 470P-50 B
C106	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C107	\$87-012-270-080	CAP,CHIP U 470P-50 B
C108	\$87-012-278-080	CAP,CHIP U 2200P-50 B
C109	\$87-010-197-080	CAP,CHIP S 0.01-25 B
C110	\$87-010-424-080	CAP,CHIP TANTALUM 4.7-4
C111	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C112	\$87-012-279-080	CAP,CHIP U 2700P-50 B
C113	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C114	\$87-010-805-080	CAP,CHIP S 1-16 F
C115	\$87-010-805-080	CAP,CHIP S 1-16 F
C116	\$87-010-942-080	CAP,CHIP ELECT 47-4
C117	\$87-010-944-080	CAP,CHIP ELECT 220-4
C118	\$87-010-424-080	CAP,CHIP TANTALUM 4.7-4
C119	\$87-010-746-080	CAP,CHIP TANTALUM 10-4
C120	\$87-010-805-080	CAP,CHIP S 1-16 F
C121	\$87-010-746-080	CAP,CHIP TANTALUM 10-4
C122	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C123	\$87-010-805-080	CAP,CHIP S 1-16 F
C124	\$87-010-759-080	CAP,CHIP U 0.1-25F
C125	\$87-012-278-080	CAP,CHIP U 2200P-50 B
C126	\$87-010-759-080	CAP,CHIP U 0.1-25F
C127	\$87-010-758-080	CAP,CHIP U 0.068-25F
C128	\$87-010-943-080	CAP,CHIP ELECT 100-4
C129	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C130	\$87-010-944-080	CAP,CHIP ELECT 220-4
C131	\$87-010-942-080	CAP,CHIP ELECT 47-4
C132	\$87-010-640-080	CAP,CHIP TANTALUM 22-4
C133	\$87-012-286-080	CAP,CHIP U 0.01-25 B
C134	\$87-010-944-080	CAP,CHIP ELECT 220-4
C135	\$87-010-971-080	CAP,CHIP S 4700P-50 B J
C136	\$87-015-923-080	CAP,CHIP TANTALUM 0.22-35
C137	\$87-010-196-080	CAP,CHIP S 0.1-25 F
C138	\$87-015-934-080	CAP,CHIP TANTALUM 2.2-4
C139	\$87-010-505-080	CAP,CHIP TANTALUM 1-16
C140	\$87-010-504-080	CAP,CHIP TANTALUM 0.47-25
C141	\$87-010-194-080	CAP,CHIP S 0.047-25 F
C142	\$87-010-504-080	CAP,CHIP TANTALUM 0.47-25
C143	\$87-010-196-080	CAP,CHIP S 0.1-25 F
C144	\$87-010-214-080	CAP,CHIP TANTALUM 0.68-16
C145	\$87-010-196-080	CAP,CHIP S 0.1-25 F
C146	\$87-015-922-080	CAP,CHIP TANTALUM 0.1-35

REF.NO.	PART NO.	DESCRIPTION
C147	$87-015-934-080	CAP,CHIP TANTALUM 2.2-4
C148	$87-010-196-080	CAP,CHIP S 0.1-25 F
CP1	87-026-504-010	PHOTO SENSOR,5164K-F1-Q2
L1	$81-HJ1-626-080	COIL,CHIP 10MMH
L2	$81-HJ1-626-080	COIL,CHIP 10MMH
L3	$87-003-240-080	COIL,CHIP S 3.3UH
L4	$87-003-240-080	COIL,CHIP S 3.3UH
L11	$87-007-246-080	COIL,CHIP OSC BIAS
L12	$87-003-240-080	COIL,CHIP S 3.3UH
L13	$81-HJ1-620-010	COIL,LOADING
L14	$87-003-240-080	COIL,CHIP S 3.3UH
L15	$87-003-240-080	COIL,CHIP S 3.3UH
R7	87-022-292-080	RES,CHIP U 330K-1/16W F
R8	87-022-292-080	RES,CHIP U 330K-1/16W F
R9	87-022-243-080	RES,CHIP U 15K-1/16W F
R10	87-022-243-080	RES,CHIP U 15K-1/16W F
R13	87-022-280-080	RES,CHIP U 560-1/16W F
R14	87-022-280-080	RES,CHIP U 560-1/16W F
R15	87-022-280-080	RES,CHIP U 560-1/16W F
R16	87-022-280-080	RES,CHIP U 560-1/16W F
R136	87-022-282-080	RES,CHIP U 750-1/16W F
R137	87-022-232-080	RES,CHIP U 5.1K-1/16W F
R143	87-022-293-080	RES,CHIP U 390K-1/16W F
R144	87-022-287-080	RES,CHIP U 120K-1/16W F
R164	87-022-043-080	RES,CHIP MF 8.2K-1/8
S1	87-036-244-080	SLIDE SW(F/R)
S2	80-ZM4-605-010	LEAF SW(REC)
S3	87-036-145-080	SLIDE SW
S4	87-036-123-080	SLIDE SW(DSL)
S5	87-036-145-080	SLIDE SW(BBE)
S6	87-036-123-080	SLIDE SW(PLSS)
S7	87-036-145-080	SLIDE SW(REMOTE)
S8	87-036-123-080	SLIDE SW(REVERSE MODE)
S9	87-036-236-080	SLIDE SW(F/R)
S10	87-036-237-080	PUSH SW(PLAY)
SFR1	$87-024-424-080	SFR,CHIP 3K RVG4H
TM1	HK3-212	TERMINAL
TM3	$80-HK3-606-010	TERMINAL ASSY
VR1	87-024-155-010	VOLUME,20K(A)(VOLUME)

=== TUNER CIRCUIT BOARD SECTION ===

BPF201	$87-008-406-080	FILTER,GFMB1(HS-JX707)
BPF201	$87-030-166-080	FILTER,GTVS03(HS-JX707D)
C201	$87-012-274-080	CAP,CHIP U 1000P-50 B
C202	$87-010-873-080	CAP,CHIP U 560P-50 SL
C203	$87-012-275-080	CAP,CHIP U 1200P-50 B
C204	$87-012-169-080	CAP,CHIP U 7P-50 CH(HS-JX707D)
C205	$87-010-873-080	CAP,CHIP U 560P-50 SL(HS-JX707D)
C206	$87-012-337-080	CAP,CHIP U 56P-50 CH(HS-JX707D)
C207	$87-012-286-080	CAP,CHIP U 0.01-25 B
C208	$87-012-336-080	CAP,CHIP U 330P-50 SL(HS-JX707D)
C208	$87-012-337-080	CAP,CHIP U 56P-50 CH(HS-JX707)
C209	$87-012-286-080	CAP,CHIP U 0.01-25 B
C210	$87-012-166-080	CAP,CHIP U 4P-50 CH(HS-JX707D)
C210	$87-012-165-080	CAP,CHIP U 3P-50 CS(HS-JX707)
C211	$87-012-275-080	CAP,CHIP U 1200P-50 B
C212	$87-010-829-080	CAP,CHIP U 0.047-16F
C213	$87-012-282-080	CAP,CHIP U 4700P-50 B
C214	$87-010-316-080	CAP,CHIP S 33P-50 CH(HS-JX707D)
C215	$87-012-162-080	CAP,CHIP U 1P-50 CK(HS-JX707D)
C216	$87-012-162-080	CAP,CHIP U 1P-50 CK
C217	$87-012-140-080	CAP,CHIP S 470P-50 CH(HS-JX707D)
C217	$87-010-316-080	CAP,CHIP S 33P-50 CH(HS-JX707)
C218	$87-012-286-080	CAP,CHIP U 0.01-25 B

REF.NO.	PART NO.	DESCRIPTION
C219	$87-012-337-080	CAP,CHIP U 56P-50 CH
C220	$87-012-197-080	CAP,CHIP U 150P-50 CH
C221	$87-010-829-080	CAP,CHIP U 0.047-16F
C222	$87-010-787-080	CAP,CHIP U 0.022-25B
C223	$87-012-273-080	CAP,CHIP U 820P-50 B
C224	$87-010-787-080	CAP,CHIP U 0.022-25B
C225	$87-010-829-080	CAP,CHIP U 0.047-16F
C226	$87-012-274-080	CAP,CHIP U 1000P-50 B
C227	$87-012-286-080	CAP,CHIP U 0.01-25 B
C228	$87-010-805-080	CAP,CHIP S 1-16 F
C229	$87-010-830-080	CAP,CHIP U 0.068-16F
C230	$87-010-831-080	CAP,CHIP U 0.1-16F
C231	$87-010-831-080	CAP,CHIP U 0.1-16F
C232	$87-012-286-080	CAP,CHIP U 0.01-25 B
C233	$87-010-746-080	CAP,CHIP TANTALUM 10-4
C234	$87-010-871-080	CAP,CHIP U 390P-50 SL
C235	$87-012-286-080	CAP,CHIP U 0.01-25 B
C236	$87-012-282-080	CAP,CHIP U 4700P-50 B
C237	$87-012-286-080	CAP,CHIP U 0.01-25 B
C238	$87-012-337-080	CAP,CHIP U 56P-50 CH
C239	$87-010-872-080	CAP,CHIP U 470-50 SL
C240	$87-012-252-080	CAP,CHIP U 30P-50UJ
C241	$87-010-831-080	CAP,CHIP U 0.1-16F
C242	$87-010-483-010	CAP,ELECT 220-4
C243	$87-010-829-080	CAP,CHIP U 0.047-16F
C244	$87-010-828-080	CAP,CHIP U 0.033-16 F
C245	$87-010-424-080	CAP,TANTALUM 4.7-4
C246	$87-010-805-080	CAP,CHIP S 1-16 F(HS-JX707D)
C247	$87-010-805-080	CAP,CHIP S 1-16 F(HS-JX707D)
C248	$87-012-274-080	CAP,CHIP U 1000P-50 B(HS-JX707D)
C249	$87-012-274-080	CAP,CHIP U 1000P-50 B(HS-JX707D)
C250	$87-012-274-080	CAP,CHIP U 1000P-50 B(HS-JX707D)
C251	$87-010-873-080	CAP,CHIP U 560P-50 SL(HS-JX707D)
C252	$87-010-873-080	CAP,CHIP U 560P-50 SL(HS-JX707D)
C253	$87-010-829-080	CAP,CHIP U 0.047-16F(HS-JX707D)
C254	$87-012-274-080	CAP,CHIP U 1000P-50 B(HS-JX707D)
C255	$87-012-283-080	CAP,CHIP U 5600P-50 B(HS-JX707D)
C257	$87-012-274-080	CAP,CHIP U 1000P-50 B(HS-JX707D)
C258	$87-012-142-080	CAP,CHIP S 0.33-16 F
C259	$87-012-142-080	CAP,CHIP S 0.33-16 F
C260	$87-012-282-080	CAP,CHIP U 4700P-50 B(HS-JX707D)
C261	$87-012-282-080	CAP,CHIP U 4700P-50 B(HS-JX707D)
C262	$87-010-746-080	CAP,CHIP TANTALUM 10-4
C263	$87-010-746-080	CAP,CHIP TANTALUM 10-4
C264	$87-010-787-080	CAP,CHIP U 0.022-25B
C265	$87-010-799-080	CAP,CHIP TANTALUM 0.68-16(A2)
C266	$87-010-831-080	CAP,CHIP U 0.1-16F
C267	$87-012-282-080	CAP,CHIP U 4700P-50 B
C268	$87-012-282-080	CAP,CHIP U 4700P-50 B
C269	$87-012-286-080	CAP,CHIP U 0.01-25 B
C270	$87-010-831-080	CAP,CHIP U 0.1-16 F
C271	$87-012-199-080	CAP,CHIP U 220P-50 CH
C272	$87-010-805-080	CAP,CHIP S 1-16 F
C273	$87-012-172-080	CAP,CHIP U 10P-50 CH
C274	$87-012-274-080	CAP,CHIP U 1000P-50 B
C275	$87-010-746-080	CAP,CHIP TANTALUM 10-4
C276	$87-012-286-080	CAP,CHIP U 0.01-25 B
C277	$87-012-286-080	CAP,CHIP U 0.01-25 B
C278	$87-012-286-080	CAP,CHIP U 0.01-25 B
C279	$87-012-286-080	CAP,CHIP U 0.01-25 B
C280	$87-012-195-080	CAP,CHIP U 100P-50 CH(HS-JX707D)
C280	$87-012-336-080	CAP,CHIP U 330P-50 SL(HS-JX707)
C281	$87-012-286-080	CAP,CHIP U 0.01-25 B
C282	$87-012-195-080	CAP,CHIP U 100P-50 CH

REF.NO.	PART NO.	DESCRIPTION
C283	$87-012-184-080	CAP,CHIP U 33P-50 CH
C284	$87-012-168-080	CAP,CHIP U 6P-50 CH
C285	$87-012-286-080	CAP,CHIP U 0.01-25 B
C286	$87-010-831-080	CAP,CHIP U 0.1-16F
C287	$87-010-831-080	CAP,CHIP U 0.1-16F
C288	$87-012-286-080	CAP,CHIP U 0.01-25 B
C289	$87-012-195-080	CAP,CHIP U 100P-50 CH
C290	$87-012-286-080	CAP,CHIP U 0.01-25 B
C291	$87-010-805-080	CAP,CHIP S 1-16 F
C292	$87-010-640-080	CAP,CHIP TANTALUM 22-4
C293	$87-010-746-080	CAP,CHIP TANTALUM 10-4
C294	$87-012-270-080	CAP,CHIP U 470P-50 B
C295	$87-010-831-080	CAP,CHIP U 0.1-16F
C296	$87-012-286-080	CAP,CHIP U 0.01-25 B
C297	$87-010-829-080	CAP,CHIP U 0.047-16F
C298	$87-012-195-080	CAP,CHIP U 100P-50 CH
C299	$87-010-767-080	CAP,CHIP TANTALUM 4.7/4
C300	$87-010-831-080	CAP,CHIP U 0.1-16F
C301	$87-010-831-080	CAP,CHIP U 0.1-16F
C302	$87-010-831-080	CAP,CHIP U 0.1-16F
C303	$87-010-831-080	CAP,CHIP U 0.1-16F
C304	$87-012-286-080	CAP,CHIP U 0.01-25 B
C305	$87-012-286-080	CAP,CHIP U 0.01-25 B(HS-JX707)
C306	$87-010-784-080	CAP,CHIP U 0.012-25 B(HS-JX707)
C307	$87-010-784-080	CAP,CHIP U 0.012-25 B(HS-JX707)
C308	$87-010-274-080	CAP,CHIP U 1000P-50 B(HS-JX707)
C309	$87-012-195-080	CAP,CHIP U 100P-50 CH(HS-JX707)
C310	$87-012-188-080	CAP,CHIP U 47P-50 CH(HS-JX707)
CF201	87-008-441-080	FILTER,CHIP CF 10.7 AE(HS-JX707D)
CF201	87-008-454-080	FILTER,CHIP CF 10.7 2-Y(HS-JX707)
CF202	87-008-441-080	FILTER,CHIP CF 10.7 AE(HS-JX707D)
CF202	87-008-454-080	FILTER,CHIP CF 10.7 2-Y(HS-JX707)
CF203	$87-008-396-080	FILTER,CHIP CF 450KHZ
CF204	$87-008-440-080	FILTER,CHIP KIT 10.7 AE
CF205	$87-008-397-010	FILTER,SAW 456 F18
CTZ201	$87-011-189-080	TRANSISTOR,IMER CTZ-10A
L201	$81-HJ1-611-080	COIL,TV RF(R)(HS-JX707D)
L202	$81-HJ1-609-080	COIL,FM RF(R)(HS-JX707D)
L202	$81-HJ1-623-080	COIL,FM RF Y(R)(HS-JX707)
L203	$81-HJ1-610-080	COIL,TV OSC(R)(HS-JX707D)
L204	$81-HJ1-608-080	COIL,FM OSC(R)(HS-JX707D)
L204	$81-HJ1-622-080	COIL,FM OSC Y(R)(HS-JX707)
L205	$87-006-168-080	COIL,CHIP IFT FM
L206	$81-HJ1-612-010	BAR-ANT ASSY
L207	$87-008-420-080	IFT,CHIP 450K MW
L208	$87-003-247-080	COIL,CHIP 100UH J
L209	$87-003-243-080	COIL,CHIP S 10UH K
L210	$87-006-213-080	COIL,CHIP DDA(8161)
L211	$87-006-214-080	COIL,CHIP DD(2018)
LCD	81-HJ1-605-010	LCD ASSY
S201	87-036-220-080	SW,CHIP T
S202	87-036-220-080	SW,CHIP T
S203	87-036-220-080	SW,CHIP T
S204	87-036-220-080	SW,CHIP T
S205	87-036-220-080	SW,CHIP T
S206	87-036-220-080	SW,CHIP T
S207	87-036-220-080	SW,CHIP T(UP/H)
S208	87-036-220-080	SW,CHIP T(DOWN/M)
S209	87-036-220-080	SW,CHIP T(MEMORY SET)
S210	87-036-220-080	SW,CHIP T(FUNCTION)
S211	87-036-220-080	SW,CHIP T(AUTO PRESET)
S212	87-036-220-080	SW,CHIP T(ALARM/SLEEP)
S213	87-036-220-080	SW,CHIP T(TIMER)
S214	87-036-123-080	SLIDE SW(AM STEP)

REF.NO.	PART NO.	DESCRIPTION
S215	87-030-152-080	TACT SW(RESET)
VC201	87-001-708-080	VARACTOR,CHIP 1SV228(HS-JX707D)
VC202	87-001-708-080	VARACTOR,CHIP 1SV228
VC203	87-001-708-080	VARACTOR,CHIP 1SV228(HS-JX707D)
VC204	87-001-708-080	VARACTOR,CHIP 1SV228
VC205	87-026-435-080	VARICAP,CHIP KV1560
XL201	$87-030-180-010	X'TAL KF-38R5-8A

=== BATTARY CIRCUIT BOARD SECTION ===

C1	$84-439-620-010	CAP,ELECT 470-4
J1	87-049-549-010	JACK,DC
TM2	HK3-217	TERMINAL

=== CONTROL CIRCUIT BOARD SECTION ===

S1-1	80-ZM4-603-010	LEAF SW
S1-2	80-ZM4-603-010	LEAF SW(CASSETTE)
S2-1	80-ZM4-604-010	LEAF SW(TAPE)
S2-2	80-ZM4-604-010	LEAF SW

=== JACK CIRCUIT BOARD SECTION ===

J2	87-009-733-010	JACK 3.5 BLK 5P(PHONES)
J3	87-009-734-010	JACK 3.5 BLK 3P(MIC)

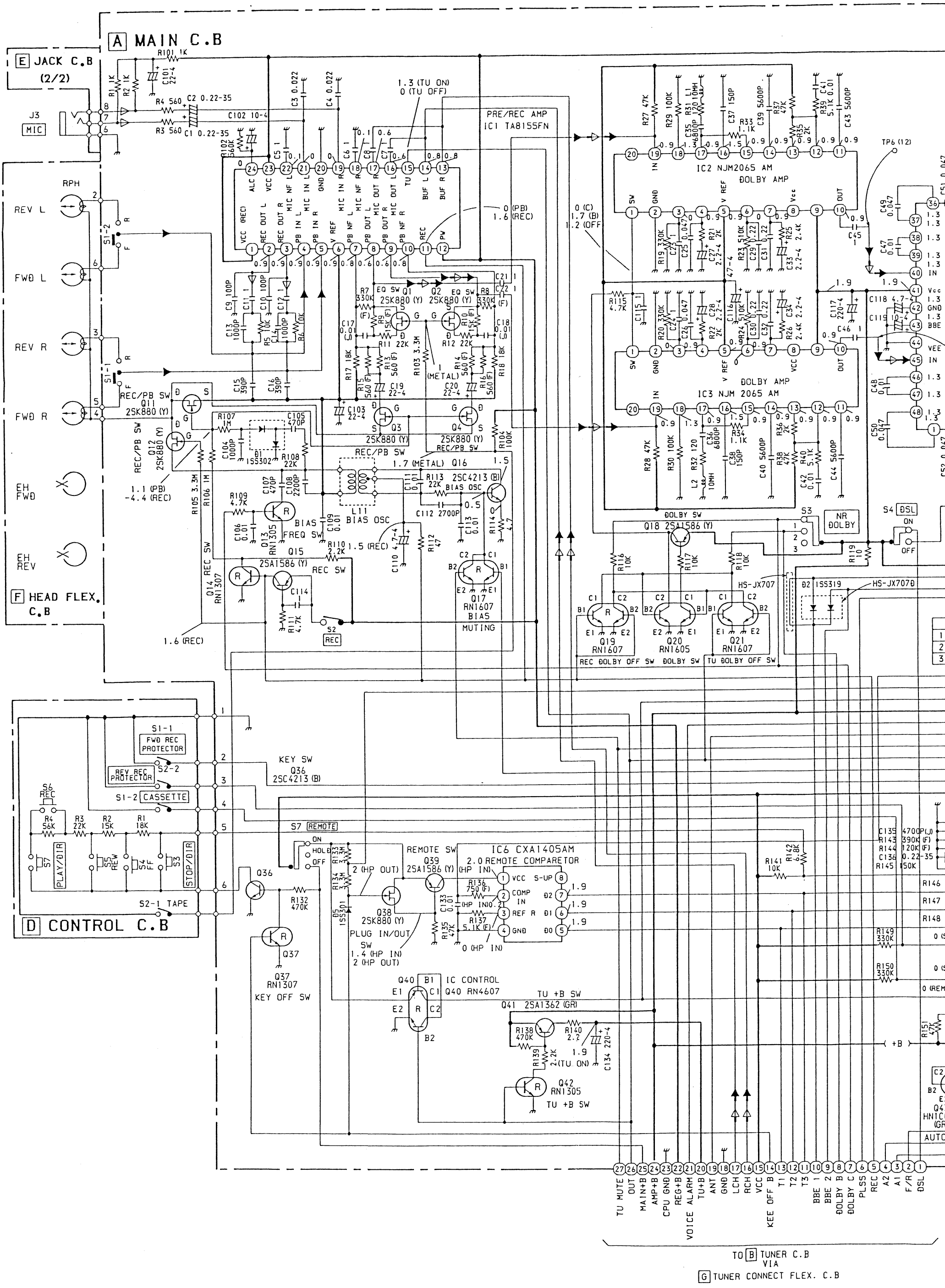
=== HEAD FLEX CIRCUIT BOARD SECTION ===

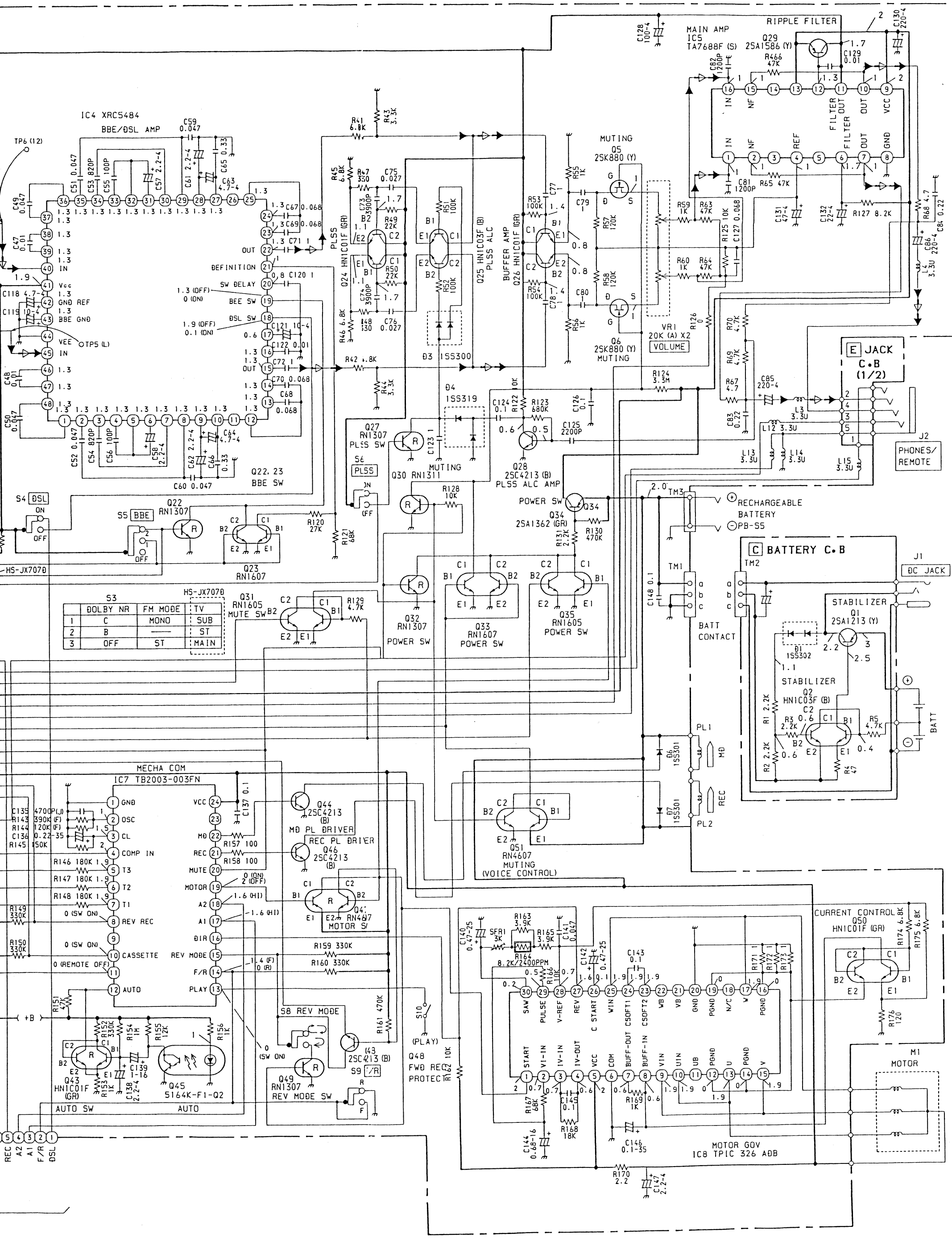
PCB-F		
RPH		

=== TUNER CONNECT FLEX CIRCUIT BOARD SECTION ===

=== MISCELLANEOUS ===

M1		
PL1		(MD)
PL2		(REC)


A MAIN C.B
E JACK C.B (2/2)
F HEAD FLEX. C.B
D CONTROL C.B
G TUNER CONNECT FLEX. C.B
PRE/REC AMP IC1 TA8155FN
IC2 NJM2065 AM ÐOLBY AMP
IC3 NJM2065 AM ÐOLBY AMP
IC6 CXA1405AM 2.0 REMOTE COMPARETOR
REC/PB SW Q11 2SK880 (Y)
REC/PB SW Q12 2SK880 (Y)
REC/PB SW Q16 2SC4213 (B)
BIAS FREQ SW Q13 RN1305
REC SW Q15 2SA1586 (Y)
BIAS MUTING Q17 RN1607
ÐOLBY SW Q18 2SA1586 (Y)
REC ÐOLBY OFF SW Q19 RN1607
ÐOLBY SW Q20 RN1605
TU ÐOLBY OFF SW Q21 RN1607
KEY SW Q36 2SC4213 (B)
REMOTE SW Q39 2SA1586 (Y)
PLUG IN/OUT SW Q38 2SK880 (Y)
IC CONTROL Q40 RN4607
TU +B SW Q41 2SA1362 (GR)
TU +B SW Q42 RN1305
KEY OFF SW Q37 RN1307
REV REC PROTECTOR
FWÐ REC PROTECTOR
CASSETTE
REMOTE
TAPE
TO B TUNER C.B VIA G TUNER CONNECT FLEX. C.B


IC4 XRC5484
BBE/DSL AMP
TP6 (12)
C59 0.047
C51 0.047
C53 820P
C55 100P
C57 2.2-4
C61 2.2-4
C65 0.33
C63 4.7-4
C49 0.047
C47 0.01
C118 4.7-4
C119 10-4
TP5 (L)
C48 0.01
C50 0.047
C52 0.047
C54 820P
C56 100P
C58 2.2-4
C62 2.2-4
C66 0.33
C64 4.7-4
C60 0.047
Q22, 23
BBE SW
R41 6.8K
R43 3.3K
R45 6.8K
R47 330
C75 0.027
C73 3900P
R49 22K
C74 3900P
R50 22K
R46 6.8K
R48 330
C76 0.027
R42 6.8K
R44 3.3K
C67 0.068
C69 0.068
C71 1
C120 1
C121 10-4
C122 0.01
C72 1
C70 0.068
C68 0.068
OUT
DEFINITION
SW DELAY
1.3 (OFF)
0 (ON)
BEE SW
DSL SW
1.9 (OFF)
0.1 (ON)
PLSS
Q24 HN1C01F (GR)
Q25 HN1C03F (B)
PLSS ALC
R51 100K
R52 100K
D3 1SS300
D4 1SS319
R122 10K
C124 0.1
R123 680K
C125 2200P
C126 0.1
Q27 RN1307
PLSS SW
S6 PLSS
C123 1
MUTING
Q30 RN1311
R128 10K
Q28 2SC4213 (B)
PLSS ALC AMP
POWER SW
Q34
Q34 2SA1362 (GR)
R131 2.2K
R130 470K
S4 DSL
ON
OFF
S5 BBE
Q22 RN1307
Q23 RN1607
R120 27K
R121 68K
HS-JX707D
S3
DOLBY NR
FM MODE
TV
1 C MONO SUB
2 B —— ST
3 OFF ST MAIN
Q31 RN1605
MUTE SW
R129 4.7K
Q32 RN1307
POWER SW
Q33 RN1607
POWER SW
Q35 RN1605
POWER SW
MUTING
Q5 2SK880 (Y)
Q6 2SK880 (Y)
MUTING
BUFFER AMP
Q26 HN1C01F (GR)
R53 100K
R54 100K
C77 1
C78 1
C79
C80
R55 1K
R56 1K
R57 120K
R58 120K
VR1
20K (A) X2
VOLUME
R126 0
R124 3.3M
MAIN AMP
IC5
TA7688F (S)
RIPPLE FILTER
Q29 2SA1586 (Y)
C129 0.01
R466 47K
C82 1200P
C81 1200P
R65 47K
C128 100-4
C130 220-4
IN
NF
REF
FILTER OUT
FILTER OUT
GND
VCC
R59 1K
R63 47K
R60 1K
R64 47K
R125 10K
C127 0.068
C131 47-4
C132 22-4
R127 8.2K
R68 4.7
C84 0.22
C86 220-4
L4 3.3U
R70 4.7K
R69 4.7K
R67 4.7
C83 0.22
C85 220-4
L3 3.3U
L12 3.3U
L13 3.3U
L14 3.3U
L15 3.3U
E JACK
C•B
(1/2)
J2
PHONES/
REMOTE
TM3
RECHARGEABLE
BATTERY
PB-S5
C BATTERY C•B
J1
DC JACK
TM2
TM1
BATT
CONTACT
C148 0.1
STABILIZER
Q1 2SA1213 (Y)
D1 1SS302
STABILIZER
Q2 HN1C03F (B)
R1 2.2K
R2 2.2K
R3 0.6
2.2K
R4 47
R5 4.7K
BATT
PL1
PL2
MD
REC
D6 1SS301
D7 1SS301
Q51 RN4607
MUTING
(VOICE CONTROL)
MECHA COM
IC7 TB2003-003FN
C137 0.1
C135 4700P(J)
R143 390K (F)
R144 120K (F)
C136 0.22-35
R145 150K
R146 180K
R147 180K
R148 180K
R149 330K
R150 330K
R151 47K
+B
GND
OSC
CL
COMP IN
T3
T2
T1
REV REC
CASSETTE
AUTO
VCC
MD
REC
MUTE
MOTOR
A2
A1
DIR
REV MODE
F/R
PLAY
R157 100
R158 100
0 (SW ON)
2 (OFF)
1.6 (HI)
1.4 (F)
0 (R)
R159 330K
R160 330K
R161 470K
Q44 2SC4213 (B)
MD PL DRIVER
REC PL DRIVER
Q46 2SC4213 (B)
Q47 RN4607
MOTOR S/
S8 REV MODE
Q49 RN1307
REV MODE SW
S9
S10
(PLAY)
Q48
FWD REC
PROTECT
R162 10K
Q43 HN1C01F (GR)
Q45 5164K-F1-Q2
R152 330K
R153 1K
R154 1M
R155 12K
R156 1K
C138 2.2-4
C139 1-16
AUTO SW
AUTO
REC
A2
A1
F/R
DSL
CURRENT CONTROL
Q50
HN1C01F (GR)
R174 6.8K
R175 6.8K
R176 120
M1
MOTOR
MOTOR GOV
IC8 TPIC 326 A0B
SAW
PULSE
V-REF
REV
C START
WIN
CSOFT1
CSOFT2
WB
VB
GND
PGND
N/C
W
PGND
START
VI-IN
IV-IN
IV-OUT
VCC
COM
BUFF-OUT
BUFF-IN
VIN
UIN
UB
PGND
U
PGND
V
R163 3.9K
R164 8.2K/2400PPM
R165 3.9K
R166 10K
R167 68K
R168 18K
R169 1K
R170 2.2
C140 0.47-25
SFR1 3K
C141 0.047
C142 0.47-25
C143 0.1
C144 0.68-16
C145 0.1
C146 0.1-35
C147 2.2-4
R171 1
R172 1
R173 1

B TUNER C.B

BPF201 GFMB1

FM FRONT END
IC201 TA8152AFN

L207 AM IFT

IC206
TC9316F-004
CONTROLLER

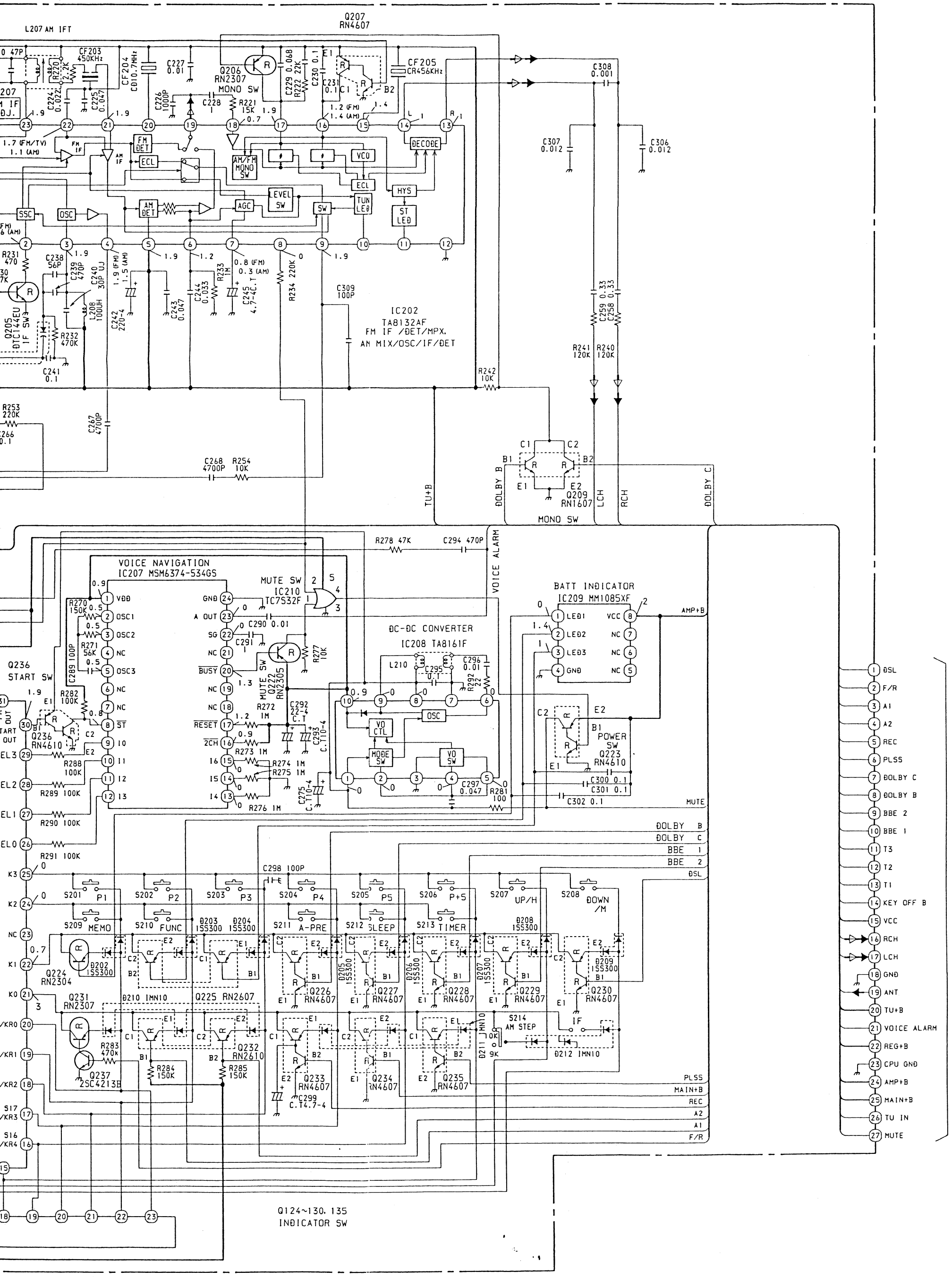
DC-DC CONVERTER
IC204
TA2018FN

PRESCALER
IC205 TB6134F1

INVERTER
IC211
TC7S04F

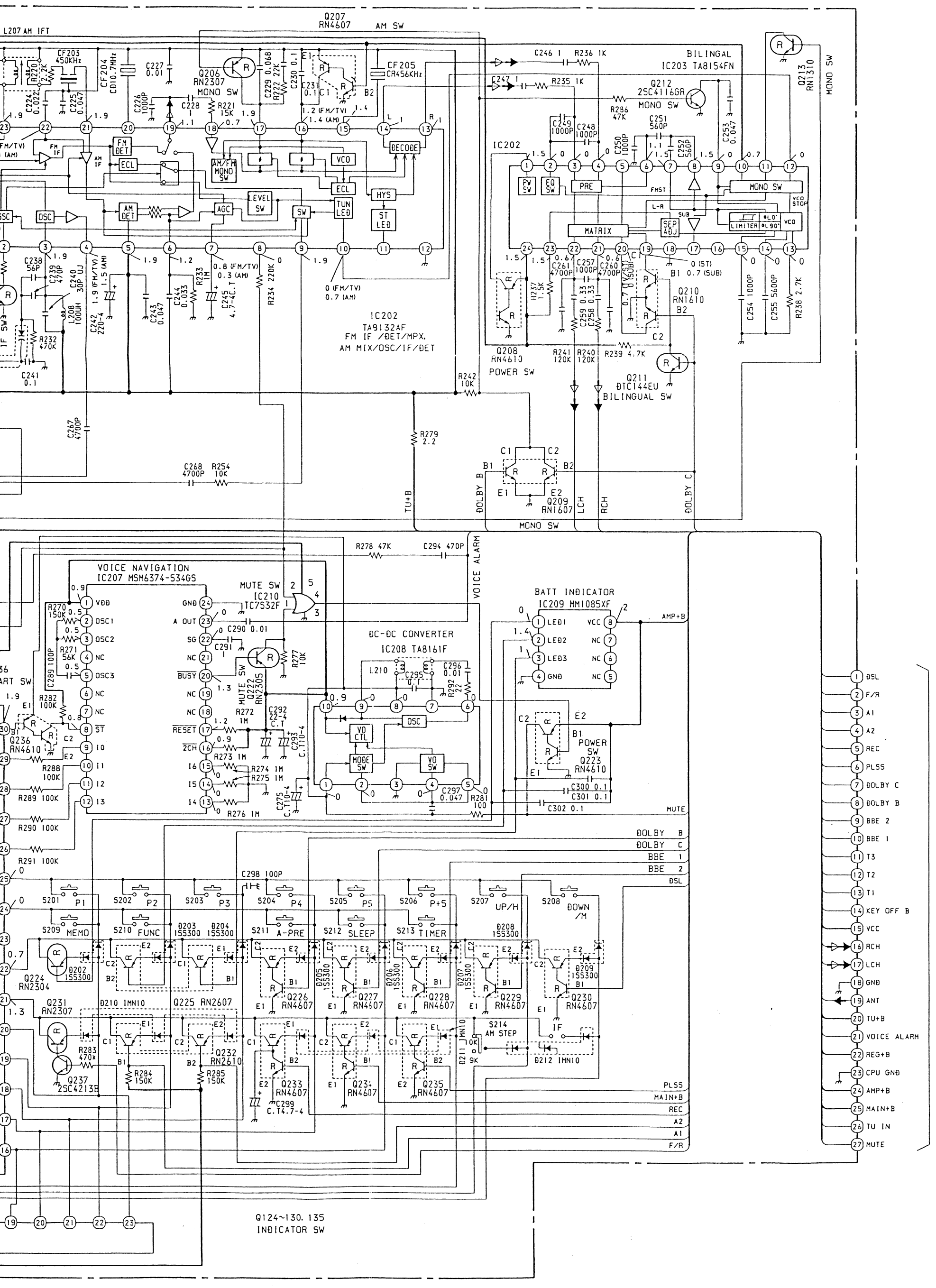
VOICE NA
IC207 MSM

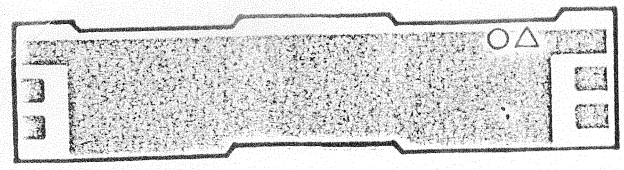
Q202 2SC4215 (O)
OSC BUFFER AMP
Q214 2SC4215 (O)
Q215 2SA1362GR
Q216 RN1310
Q217 2SA1362GR
Q218 2SC4116GR LPF
Q219 2SK880Y
Q220 RN4610 AM POWER SW
Q204 2SC4215O
Q205 DTC144EU IF SW
Q203 2SK882Y AMP
Q221 2SA1588Y
Q236 RN4610 START SW
Q224 RN2304
Q231 RN2307
Q237 2SC4213B
D201 1SS322
D202 1SS300
D210 IMN1


Q207
RN4607
L207 AM IFT
CF203
450KHz
CF204
CD10.7MHz
CF205
CR456KHz
Q206
RN2307
MONO SW
IC202
TA8132AF
FM IF /DET/MPX.
AM MIX/OSC/IF/DET
Q205
DTC144EU
IF SW
VOICE NAVIGATION
IC207 MSM6374-534GS
MUTE SW
IC210
TC7S32F
DC-DC CONVERTER
IC208 TA8161F
BATT INDICATOR
IC209 MM1085XF
Q236
START SW
Q236
RN4610
Q222
RN2305
MUTE SW
Q223
RN4610
POWER
SW
Q209
RN1607
MONO SW
VOICE ALARM
TU+B
DOLBY B
DOLBY C
LCH
RCH
AMP+B
MUTE
PLSS
MAIN+B
REC
A2
A1
F/R
BBE 1
BBE 2
DSL
S201 P1
S202 P2
S203 P3
S204 P4
S205 P5
S206 P+5
S207 UP/H
S208 DOWN /M
S209 MEMO
S210 FUNC
S211 A-PRE
S212 SLEEP
S213 TIMER
S214 AM STEP
Q224
RN2304
Q225 RN2607
Q226
RN4607
Q227
RN4607
Q228
RN4607
Q229
RN4607
Q230
RN4607
Q231
RN2307
Q232
RN2610
Q233
RN4607
Q234
RN4607
Q235
RN4607
Q237
2SC4213B
D202 1SS300
D203 1SS300
D204 1SS300
D205 1SS300
D206 1SS300
D207 1SS300
D208 1SS300
D209 1SS300
D210 1MN10
D211 1MN10
D212 1MN10
Q124~130, 135
INDICATOR SW
TO A MAIN C.B
VIA
G TUNER CONNECT FLEX C.B

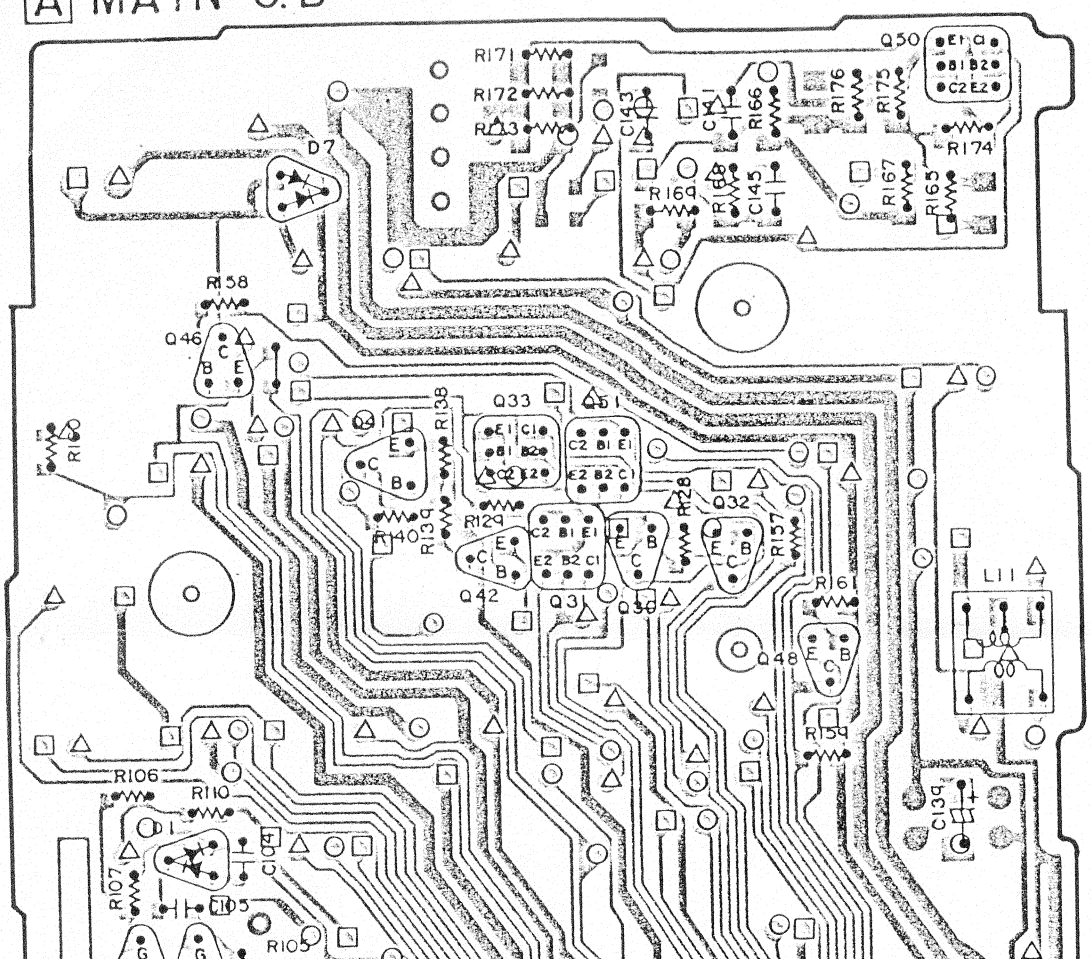
B TUNER C.B

BPF201 GTVIS03
R201 4.7K
R202 15K
TV/FM FRONT ENÐ
IC201 TA8152AFN
TV/FM SW
Q201 ÐTC114YU
R203 4.7K
L207 AM IFT
R216 10
R218 330
R217 15K
C221 0.047
C222 0.022
CF203 450KHz
CF204 CD10.7MHz
CF202 10.7MHz
CF201 10.7MHz
Q202 2SC4215 (0)
L207 AM IF ADJ.
C223 820P
R220 2.2K
C224 0.022
C225 0.047
C226 1000P
FM DET
ECL
AM MIX
AM DET
SSC
OSC
C220 150P
C201 1000P
0.8 (FM) 0.9 (TV)
C202 560P
C203 1200P
0 (FM) 0.2 (TV)
0.8 (FM) 0 (TV)
0.1 (FM) 0 (TV)
1.5 (TV) 0.7 (FM)
1.9 (FM) 0 (TV)
RF TV
FM RF
IF
PW SW MODE SW
BUFF
MIX
TV OSC
FM OSC
L201
TV TRACKING ADJ.
C204 7P
L201 TV RF
R204 470K
VC201 15V228
C205 560P
C206 56P
R205 47K
C208 330P
VC202 15V228
R206 47K
R207 470K
C209 0.01
L202 FM RF
C210 4P
R208 10
C212 0.047
C215 1P
C216 1P
L203 TV OSC
C213 4700P
R210 470K
VC203 15V228
R211 47K
C214 33P
R212 47K
C217 470P
VC204 15V228
R213 470K
L204 FM OSC
C218 0.01
C219 56P
L205 FM IFT
R214 10K
L202 FM TRACKING ADJ.
C207 0.01
C211 1200P
L203 TV VT ADJ.
R215 15K
L204 FM OSC ADJ.
L205 FM IF ADJ
FM/TV POWER SW
Q217 2SA1362GR
TV SW
Q215 2SA1362GR
Ð201 1SS322
TP1 (VT)
C264 0.022
R251 2.2K
C265 0.68-16C.T
R248 2.2K
R250 1K
Q219 2SK880Y
LPF
Q218 2SC4116GR LPF
R249 15K
R252 1K
AM AMP Q204 2SC42150
Q220 RN4610 AM POWER SW
Q220
R253 220K
C266 0.1
C267 4700P
R223 100
C232 0.01
C233 10-4C.T
R224 220
R225 6.8K
R226 560
C234 390P
C235 0.01
C236 4700P
C237 0.01
R227 470K
CTZ201 10P
L206
BAR ANT
R228 10
R229 22
AM AMP Q203 2SK882Y
VC205 KV1560
R230 2.7K
R231 470
C238 56P
C239 470P
C240 30P UJ
L208 100UH
Q205 ÐTC144EU 1F SW
R232 470K
C241 0.1
C242 220-4
R219 47
R243 470
Q214 2SC4215 (0) OSC BUFFER AMP
R244 47K
C262 10-4C.T
C263 10-4C.T
R245 33
Q216 RN1310 VCC TV SW
R246 2.2K
R247 4.7K
REG+B
VCC
ANT
C269 0.01
C304 0.01
Ð/Ð CONVERTER
IC204
TA2018FN
R255 4.7K
C270 0.1
1~9
14.5
5.9
10TS
Vo CTL
OSC
211
C274 1000P
R256 3.3K
C271 220P
C273 10P
R257 22
C272 1
PRESCALER
IC205 TÐ6134F1
L209 10U
C276 0.01
C277 0.01
C278 0.01
AMP
1/4/1/8
1/15.16 DIVIDER
BUF
C279 0.01
R258 4.7K
C281 0.01
R259 47
C280 100P
POWER SW
Q221 2SA1588Y
S215 RESET
XL201
C283 33P
C284 6P
R287 220K
C303 0.1
R262 68K
R261 47K
R293 27K
C285 0.01
C286 0.1
C287 0.1
R260 470
INVERTER
IC211
TC7S04F
C288 0.01
BATT
C282 100P
R264 2.2
R265 2.2K
R263 3.3M
IC206
TC9316F-003
CONTROLLER
R266 150K
R267 150K
R268 150K
R269 3.3M
Q236 START SW
R282 100K
Q236 RN4610
R288 100K
R289 100K
R290 100K
R291 100K
S201
S202
S209 MEMO
S210 FUN
Q224 RN2304
Ð202 1SS300
Q231 RN2307
Ð210 1MN10
R270 150K
R271 56K
C289 100P
R283 470K
Q237 2SC4213B
R284 150K
VOICE NAVI
IC207 MSM63
VÐÐ
OSC1
OSC2
NC
OSC3
ST
I0
I1
I2
I3
SEL3
SEL2
SEL1
SEL0
K3
K2
K1
K0
S20/KR0
S19/KR1
S18/KR2
S17/KR3
S16/KR4
S15/KR5
S14/KR6
S13/KR7
S12
S11
S10
S9
S8
S7
S6
S5
S4
S3
S2
S1
COM3
COM2
COM1
C3
C2
C1
VLCÐ
VCC
INT
XT
XT
TEST
INH
GNÐ
FM IN
AM IN
TU OUT
IF IN
MUTE
T3
T2
T1
BUZZER OUT
KEY OFF B
TV OUT
NC
AM OUT
FM OUT
START OUT
LCÐ


Q207 RN4607 AM SW
L207 AM IFT
CF203 450KHz
CF204 CD10.7MHz
CF205 CR456KHz
Q206 RN2307 MONO SW
Q212 2SC4116GR MONO SW
Q213 RN1310 MONO SW
BILINGAL
IC203 TA8154FN
IC202
FM IF
AM IF
FM DET
ECL
AM/FM MONO SW
VCO
DECODE
HYS
ST LED
AM DET
AGC
LEVEL SW
SW
TUN LED
OSC
PRE
MONO SW
MATRIX
SEP ADJ
LIMITER
VCO
VCO STOP
FMST
L-R
SUB
IC202
TA8132AF
FM IF /DET/MPX.
AM MIX/OSC/IF/DET
Q208 RN4610 POWER SW
Q210 RN1610
Q211 DTC144EU BILINGUAL SW
R242 10K
R279 2.2
TU+B
DOLBY B
DOLBY C
LCH
RCH
MONO SW
VOICE NAVIGATION
IC207 MSM6374-534GS
MUTE SW
IC210 TC7532F
VOICE ALARM
R278 47K
C294 470P
DC-DC CONVERTER
IC208 TA8161F
BATT INDICATOR
IC209 MM1085XF
AMP+B
Q236 RN4610
Q222 RN2305 MUTE SW
Q223 RN4610 POWER SW
VO CTL
MODE SW
VO SW
OSC
MUTE
DOLBY B
DOLBY C
BBE 1
BBE 2
DSL
PLSS
MAIN+B
REC
A2
A1
F/R
S201 P1
S202 P2
S203 P3
S204 P4
S205 P5
S206 P+5
S207 UP/H
S208 DOWN /M
S209 MEMO
S210 FUNC
S211 A-PRE
S212 SLEEP
S213 TIMER
S214 AM STEP
Q224 RN2304
Q225 RN2607
Q226 RN4607
Q227 RN4607
Q228 RN4607
Q229 RN4607
Q230 RN4607
Q231 RN2307
Q232 RN2610
Q233 RN4607
Q234 RN4607
Q235 RN4607
Q237 2SC4213B
Q209 RN1607
D202 1SS300
D203 1SS300
D204 1SS300
D205 1SS300
D206 1SS300
D207 1SS300
D208 1SS300
D209 1SS300
D210 IMN10
D211 IMN10
D212 IMN10
Q124~130. 135
INDICATOR SW
TO A MAIN C.B VIA G TUNER CONNECT FLEX C.B
1 DSL
2 F/R
3 A1
4 A2
5 REC
6 PLSS
7 DOLBY C
8 DOLBY B
9 BBE 2
10 BBE 1
11 T3
12 T2
13 T1
14 KEY OFF B
15 VCC
16 RCH
17 LCH
18 GND
19 ANT
20 TU+B
21 VOICE ALARM
22 REG+B
23 CPU GND
24 AMP+B
25 MAIN+B
26 TU IN
27 MUTE



A MAIN C.B

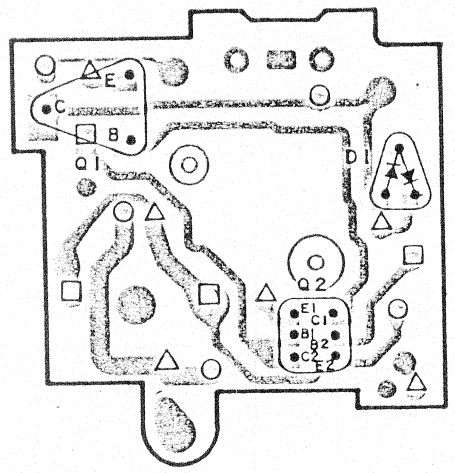


S1 F / R (F ↔ R)

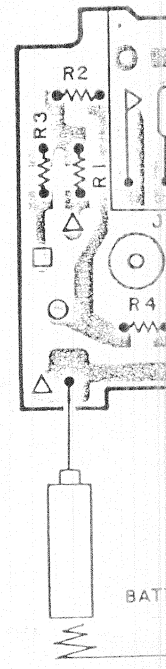
S9 F / R (F ↕ R)

S10 PLAY

C BATTERY C.B

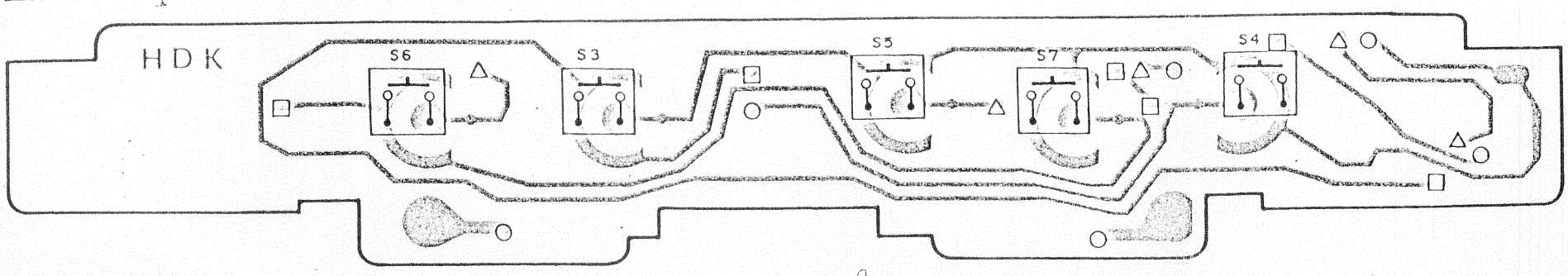


C BATT



D CONTROL C.B

S6 REC — S3 STOP / DIR — S5 REW — S7 PLAY / DIR — S4 F FWD.



A MAIN C. B

C BATTERY C.B J 1

DC JACK

BATT X 2

BATTERY C.B

RECHARGEABLE
BATTERY
PB – S5

To MOTOR (

PL2
REC

S10
PLAY

S2
REC

PL1
MD

VR1
VOLUME

S8
REVERSE MODE

S6
PLSS
OFF
ON

S4
DSL
OFF
ON

S7
REMOTE
OFF
HOLD
ON

S5
BBE
OFF
1
2

S3
DOLBY NR/FM MODE/TV
HS-JX707D
OFF
B
C
ST
MONO
MAIN
ST
SUB

S2-2
REV REC
PROTECTOR

S2-1
TAPE

D CONTRO

A MAIN C.B

TTERY C.B J1

DC JACK

To MOTOR (M1)

PL2
REC

To B TUNER C.B

G TUNER CONNECT FLEX. C.B

S2
REC

E JACK C.B

J2
PHONES/ REMOTE

J3
MIC

F HEAD FLEX. C.B

RECHARGEABLE BATTERY PB-S5

BATT X 2

PL1
MD

VR1
VOLUME

S8
REVERSE MODE

S6
PLSS
OFF
ON

S4
DSL
OFF
ON

S7
REMOTE
OFF
HOLD
ON

S5
BBE
OFF
1
2

S3
DOLBY NR/FM MODE/TV
HS-JX707D
OFF
B
C
ST
MONO
MAIN
ST
SUB

D CONTROL C.B

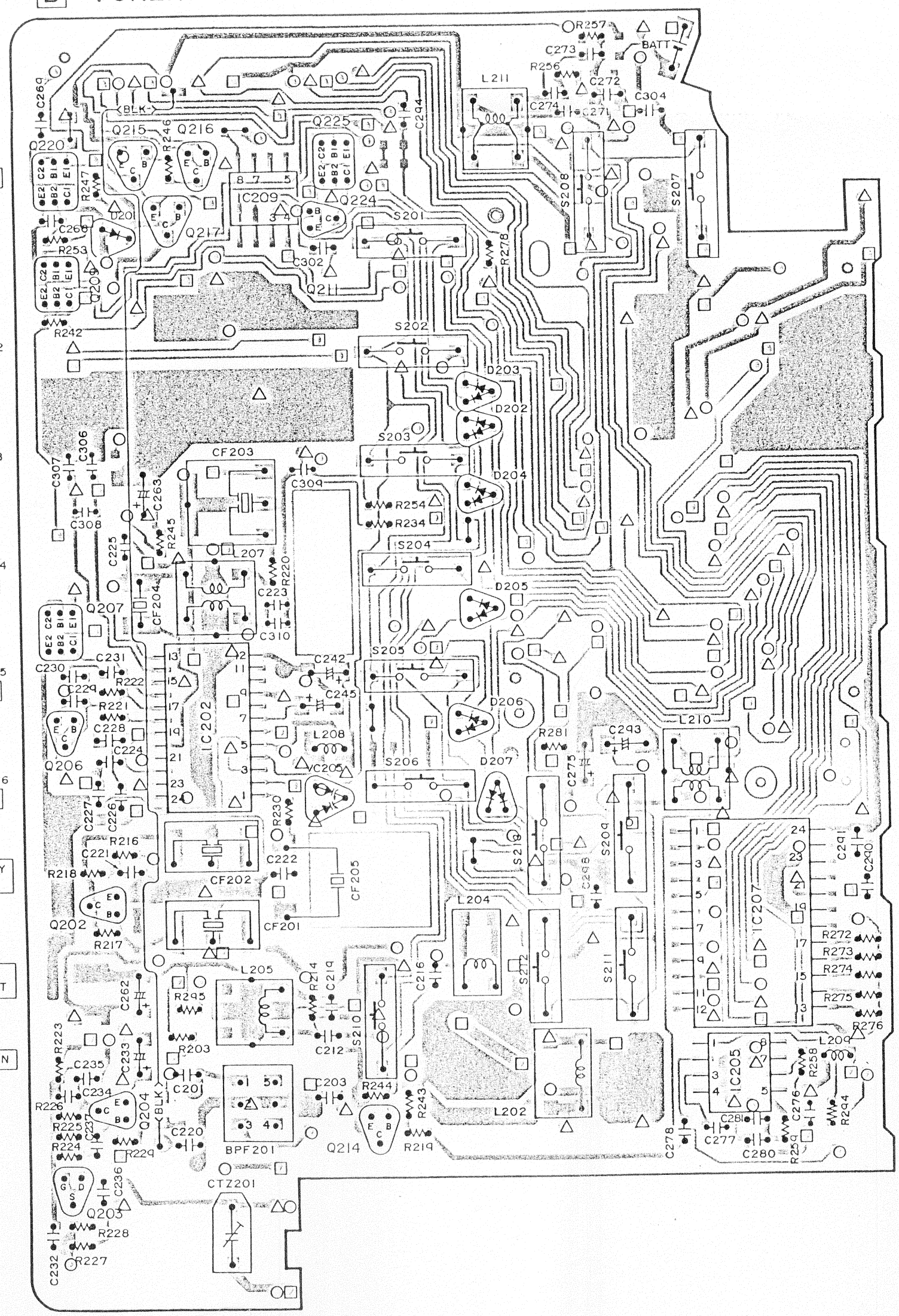
S2-2
REV REC PROTECTOR

S2-1
TAPE

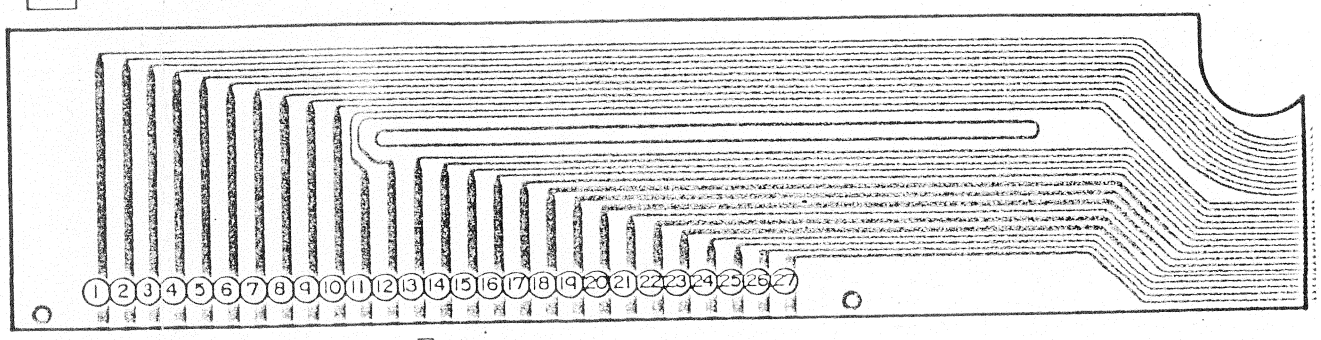
S1-2
CASSETTE

S1-1
FWD REC PROTECTOR

B TUNER C.B

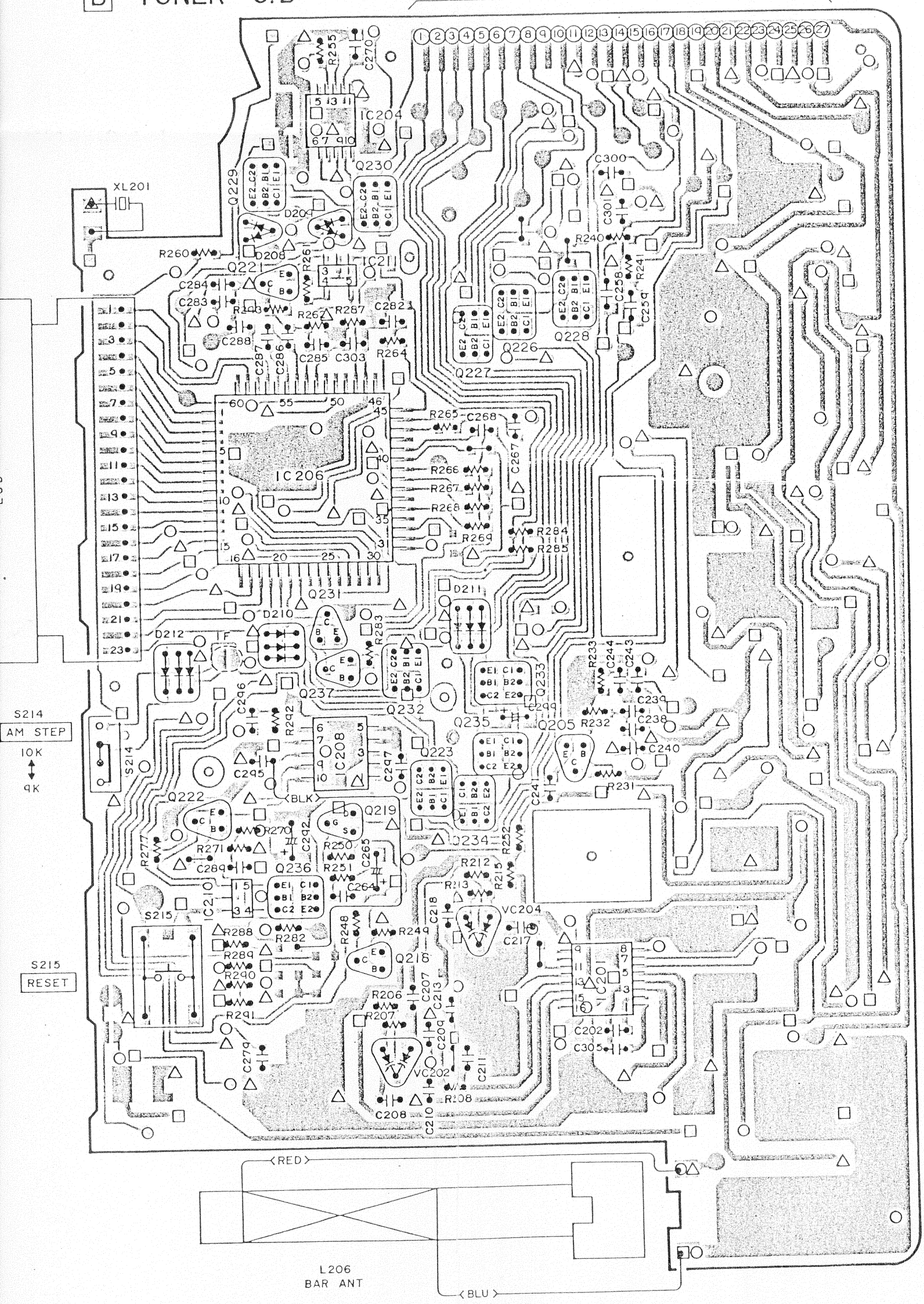

S208
DOWN/M
S207
UP/H
S201
1
S202
2
PRESET/
CLOCK
S203
3
S204
4
S205
5
S206
+5
S213
TIMER
S209
MEMORY
SET
S212
ALARM/
SLEEP
S211
AUTO
PRESET
S210
FUNCTION
S214
AM STEP
10K
9K
S215
RESET
XL201
LCD
IC202
IC207
IC205
CF201
CF202
CF203
CF205
BPF201
CTZ201
L201
L202
L204
L205
L208
L209
L210
L211
Q201
Q202
Q203
Q204
Q205
Q206
Q207
Q214
Q215
Q216
Q217
Q220
Q224
Q225
D201
D202
D203
D204
D205
D206
D207
BATT
BLK

G TUNER CONNECT FLEX. C.B

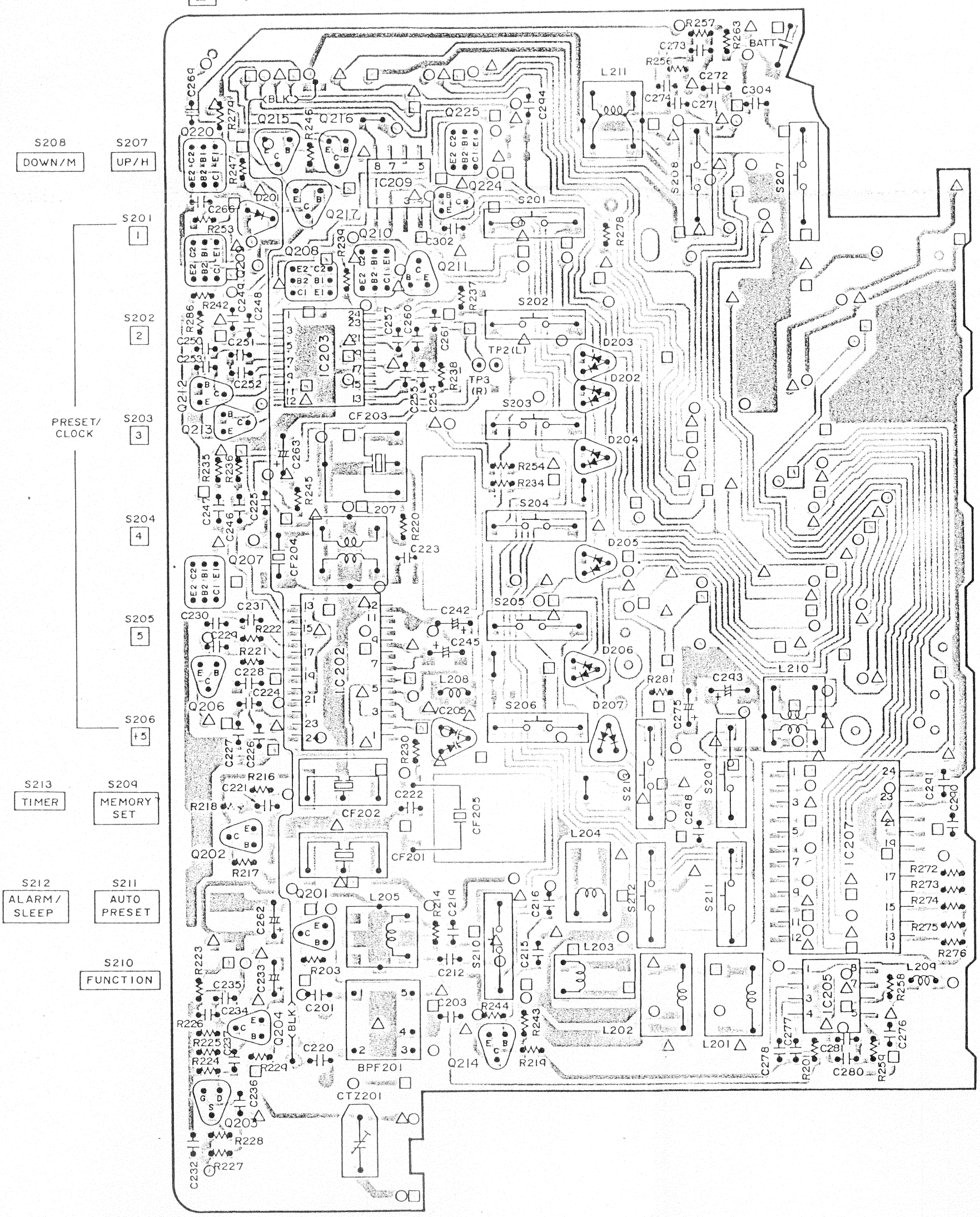


To [A] MAIN C.B

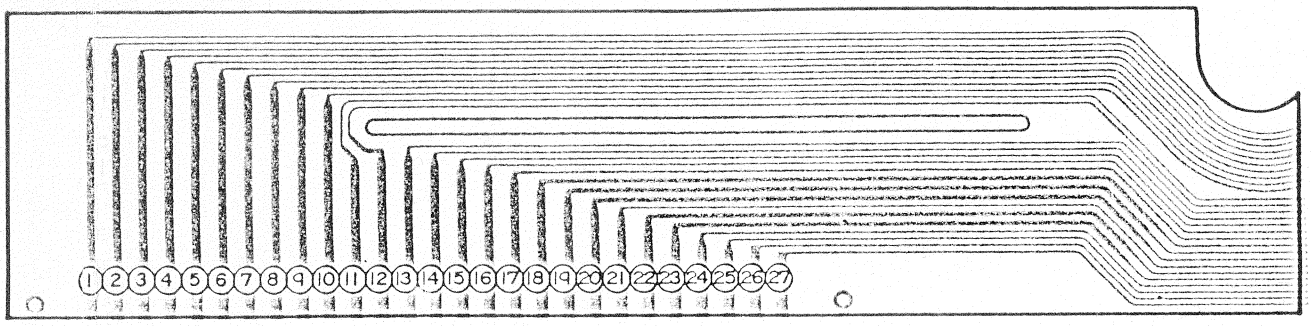
B TUNER C.B



B TUNER C.B

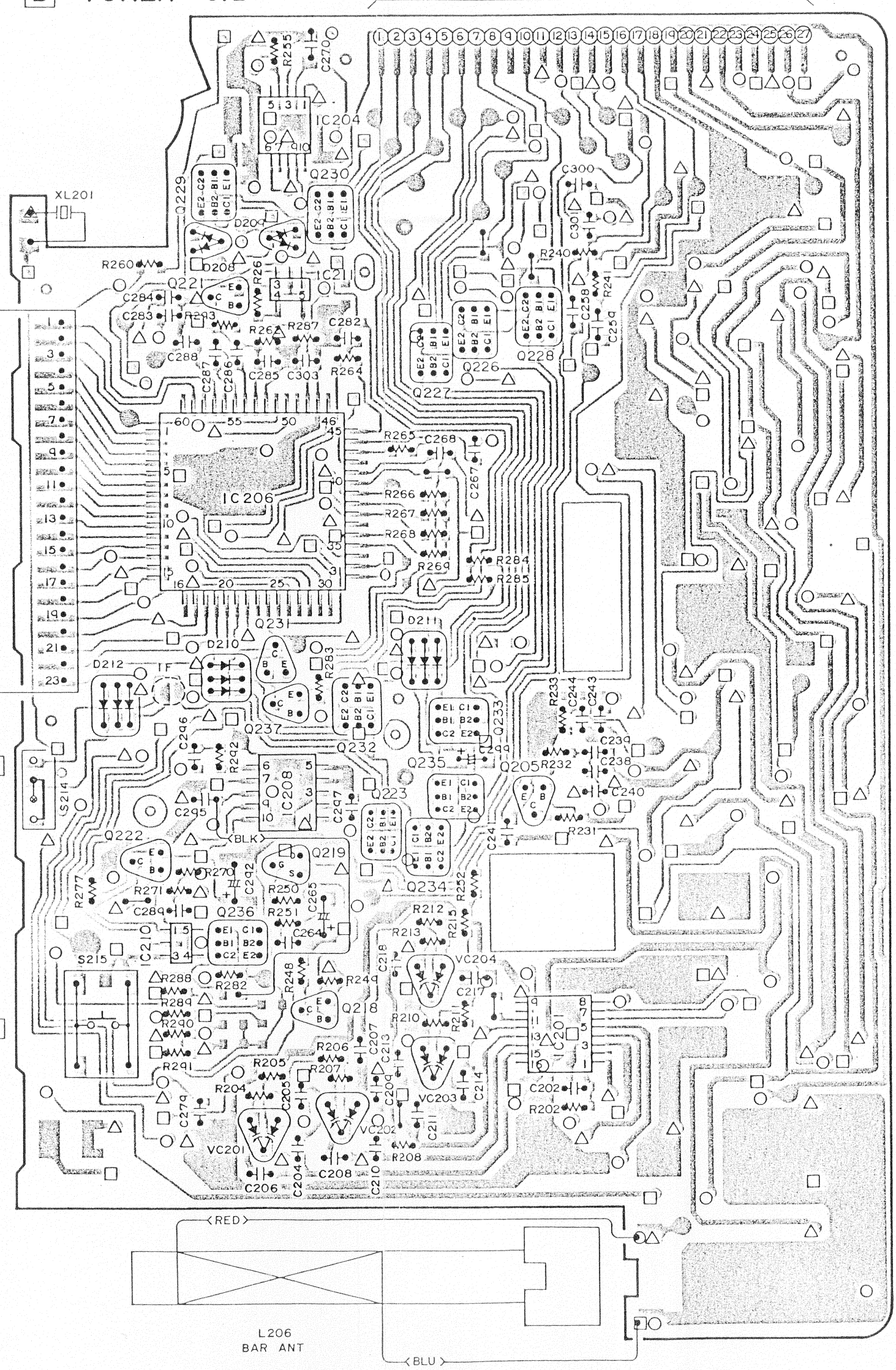

S208
DOWN/M
S207
UP/H
S201
1
S202
2
S203
3
PRESET/
CLOCK
S204
4
S205
5
S206
+5
S213
TIMER
S209
MEMORY
SET
S212
ALARM/
SLEEP
S211
AUTO
PRESET
S210
FUNCTION
C269
R274
Q220
R247
C266
D201
R253
Q209
R242
C249
C248
R286
C250
C253
C251
C252
Q212
Q213
R235
R236
C247
C246
C225
Q207
C230
C231
C229
R222
R221
C228
C224
Q206
C227
C226
R216
C221
R218
Q202
R217
Q201
C262
R223
C235
C233
C234
R226
R225
C237
R224
Q204
(BLK)
R229
C236
Q203
R228
R227
C232
(BLK)
R246
Q215
Q216
Q217
Q210
Q208
R239
C257
C260
C261
R237
C254
C255
R238
IC203
CF203
C263
R245
207
R220
CF204
C223
IC202
C242
C245
L208
C205
R230
CF202
C222
CF205
CF201
BPF201
C201
C220
CTZ201
C203
R244
R243
Q214
R219
C212
C219
R214
R203
C215
C216
L205
L204
L203
L202
L201
S210
S212
S211
Q225
C294
Q224
IC209
S201
Q211
TP2(L)
TP3
(R)
S202
S203
S204
S205
S206
D203
D202
D204
D205
D206
D207
R254
R234
R278
R281
C275
C298
S209
S210
S211
S212
R257
R263
BATT
R256
C273
C272
C274
C271
C304
L211
S208
S207
L210
C293
IC207
C291
C290
R272
R273
R274
R275
R276
IC205
L209
R258
C276
C277
C278
R201
C281
C280
R259
LCD
S214
AM STEP
10K
9K
S215
RESET

G TUNER CONNECT FLEX. C.B



To [A] MAIN C.B

B TUNER C.B


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
LCD
1 3 5 7 9 11 13 15 17 19 21 23
XL201
R255
C270
IC204
Q230
Q229
D207
D208
R260
R261
Q221
C284
C283
R263
R262
R287
C282
C288
C287
C286
C285
C303
R264
IC206
60 55 50 46 45 1 5 10 15 16 20 25 30 35 31
R265
C268
R266
R267
R268
R269
C267
R284
R285
Q231
D210
D211
D212
IF
R283
Q237
Q232
Q235
Q233
Q205
R233
C244
C243
C239
R232
C238
C240
R231
C241
C296
R292
C295
C297
IC208
Q223
Q222
Q219
R270
R271
C292
R277
C289
Q236
R250
R251
C265
C264
R252
Q234
R212
R213
R215
C218
VC204
C217
S214
AM STEP
10K
9K
S215
RESET
IC210
R288
R289
R290
R291
R282
R248
R249
Q218
C279
R204
R205
R206
R207
C205
C207
C213
C204
VC203
C214
C211
VC202
VC201
C206
C208
C210
R208
R210
R211
IC201
C202
R202
Q228
Q226
Q227
C258
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R240
C300
C301
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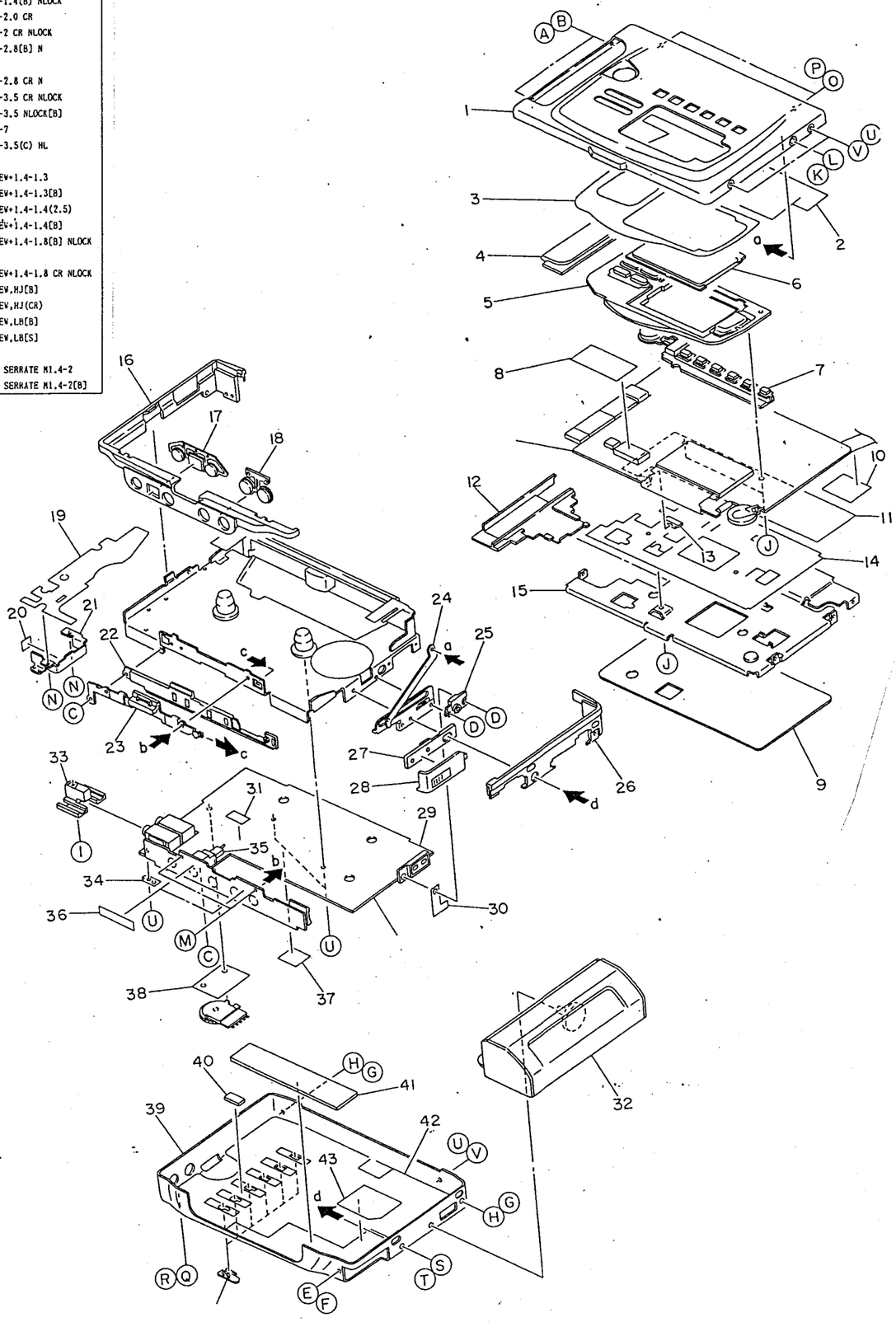
R230
R231
R232
R233
R234
R235
R236
R237
R238
R239
R240

EXPLODED VIEW

REF.NO.	RART NO.	DESCRIPTION
A	87-067-588-010	V+1.4-1.4 CR NLOCK
B	87-067-589-010	V+1.4-1.4[B] NLOCK
C	87-263-503-310	V+1.4-2.0 CR
D	87-067-590-010	V+1.4-2 CR NLOCK
E	87-067-847-010	V+1.4-2.8[B] N
F	87-067-848-010	V+1.4-2.8 CR N
G	87-067-606-010	V+1.4-3.5 CR NLOCK
H	87-067-607-010	V+1.4-3.5 NLOCK[B]
I	87-067-855-010	V+1.4-7
J	87-067-535-010	VT1.4-3.5(C) HL
K	87-067-625-010	S-SCREW+1.4-1.3
L	87-067-626-010	S-SCREW+1.4-1.3[B]
M	87-067-501-010	S-SCREW+1.4-1.4(2.5)
N	87-067-501-010	S-SCREW+1.4-1.4[B]
O	87-067-722-010	S-SCREW+1.4-1.8[B] NLOCK
P	87-063-743-010	S-SCREW+1.4-1.8 CR NLOCK
Q	87-067-865-010	S-SCREW,HJ[B]
R	87-067-866-010	S-SCREW,HJ(CR)
S	87-067-810-010	S-SCREW,LB[B]
T	87-067-811-010	S-SCREW,LB[S]
U	87-067-746-010	SCREW SERRATE M1.4-2
V	87-067-782-010	SCREW SERRATE M1.4-2[B]

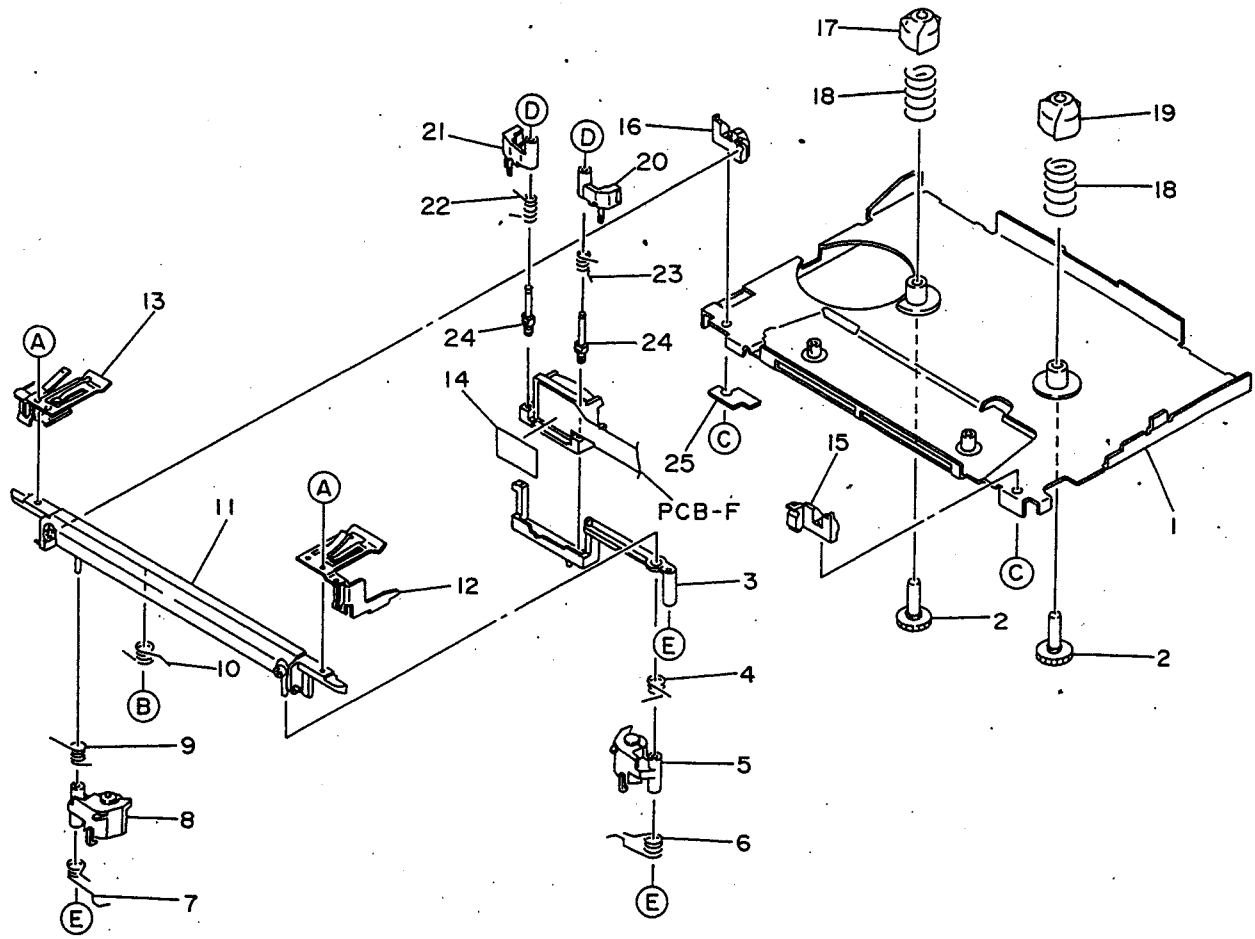


MECHANICAL PARTS LIST

PART NO. CHANGRD TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1-1	09-	LID,CASSETTE ASSY	*	1
	1-2	★ 81-HJ2-013-010	KEY,SET [B]	*	1
	1-3	★ 81-HJ2-224-010	SHEET,PCB A	*	1
	1-4	★ 81-HJ2-220-110	SHEET,PCB	*	1
	1-5	★ 81-HJ2-201-110	HOLDER,CASSETTE	*	1
	1-6	81-HJ2-030-110	LABEL,CAUTION(EXCEPT FOR DAHL)	*	1
	1-6	81-HJ2-036-010	LABEL,CAUTION(DAHL)	*	1
	1-7	★ 81-HJ2-206-010	HOLDER,ANTENNA	*	1
	1-8	★ 81-HJ2-004-110	FRAME,CENTER [B]	*	1
	1-9	★ 81-HJ2-010-010	KEY,CONTROL A [B]	*	1
	1-10	★ 81-HJ2-011-010	KEY,CONTROL B [B]	*	1
	1-11	★ 81-HJ2-216-010	SHEET,CHASSIS	*	1
	1-12	★ 81-HJ2-213-010	HOLDER,JACK	*	1
	1-13	★ 81-HJ2-211-010	HOLDER,BATTERY	*	1
	1-14	★ 81-HJ2-219-010	P-SPRING ASSY	*	1
	1-15	★ 81-HJ2-222-010	HOLDER,JACK M	*	1
	1-16	★ 81-HJ2-203-110	HOLDER ARM ASSY	*	1
	1-17	★ 81-HK3-216-010	NUT,BATTERY BOX		1
	1-18	★ 81-HK3-215-110	HINGE,BATTERY		1
	1-19	81-HJ2-006-010	LID,BATTERY [B]	*	1
	1-20	★ 81-HK3-212-010	BATTERY CONTACT ASSY		1
	1-21	★ 81-HJ2-005-110	PANEL,BOTTOM [B]	*	1
	1-22	★ 81-HK3-226-010	SHEET,5-8-0.1		2
	1-23				1
	1-24				1
	1-25	★ 81-HJ2-223-110	MYLAR,REAR CABINET A	*	1
	1-26	★ 81-HJ2-210-010	MYLAR,REAR CABINET	*	1
	1-27	★ 81-HJ2-028-210	CABINET,REAR(EXCEPT FOR DAHL)	*	1
	1-27	★ 81-HJ2-032-110	CABINET,REAR(DAHL)	*	1
	1-28	★ 81-HJ2-014-010	KNOB,SLIDE [B]	*	6
	1-29	09-	BATTERY BOX ASSY	*	1
	1-30	★ 81-HJ2-212-110	P-SPRING,EARTH	*	1
	1-31				1
	1-32				1

EXPLODED VIEW – 2

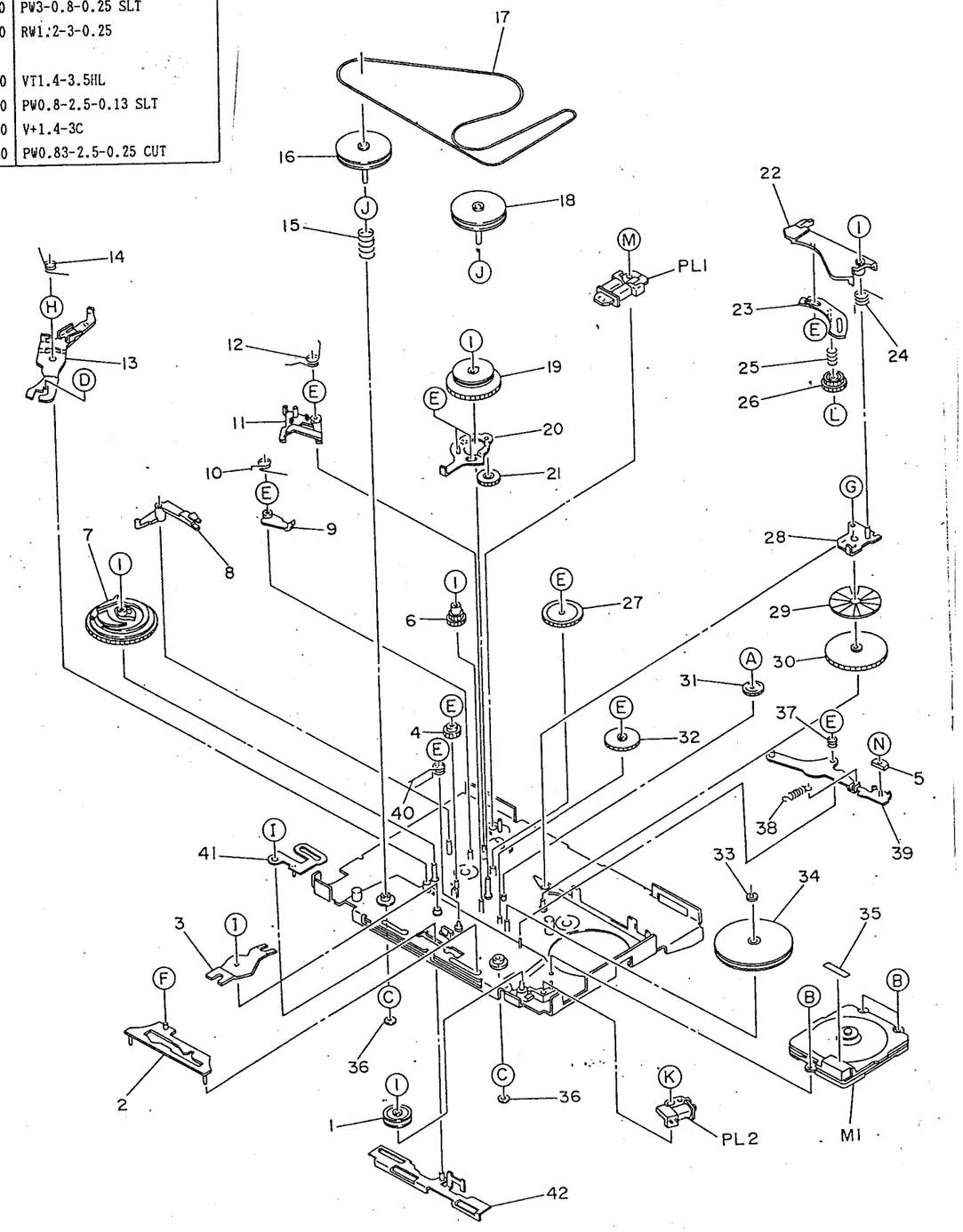
REF.NO.	RART NO.	DESCRIPTION
A	87-357-503-310	VT_2+1.4-2[G]
B	80-ZM4-346-010	VFT_2+1.4-2
C	87-353-528-310	VT_2+1.7-3.5CR
D	87-067-824-010	S-SCREW V+1.4-3.7
E	87-067-569-010	PW 0.83-2.5-0.25

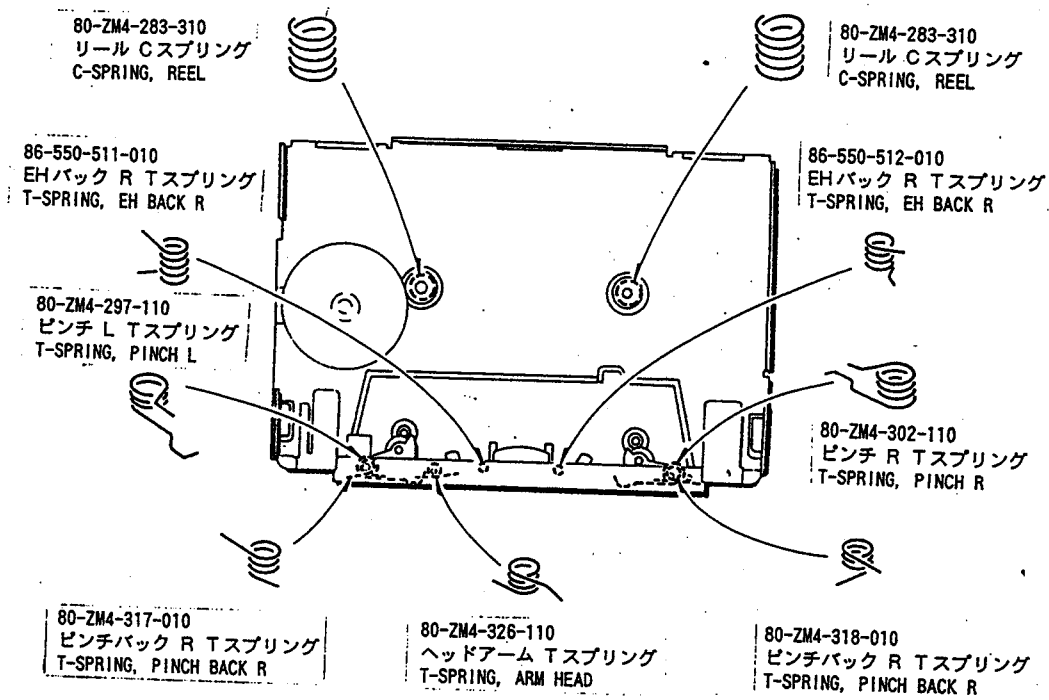
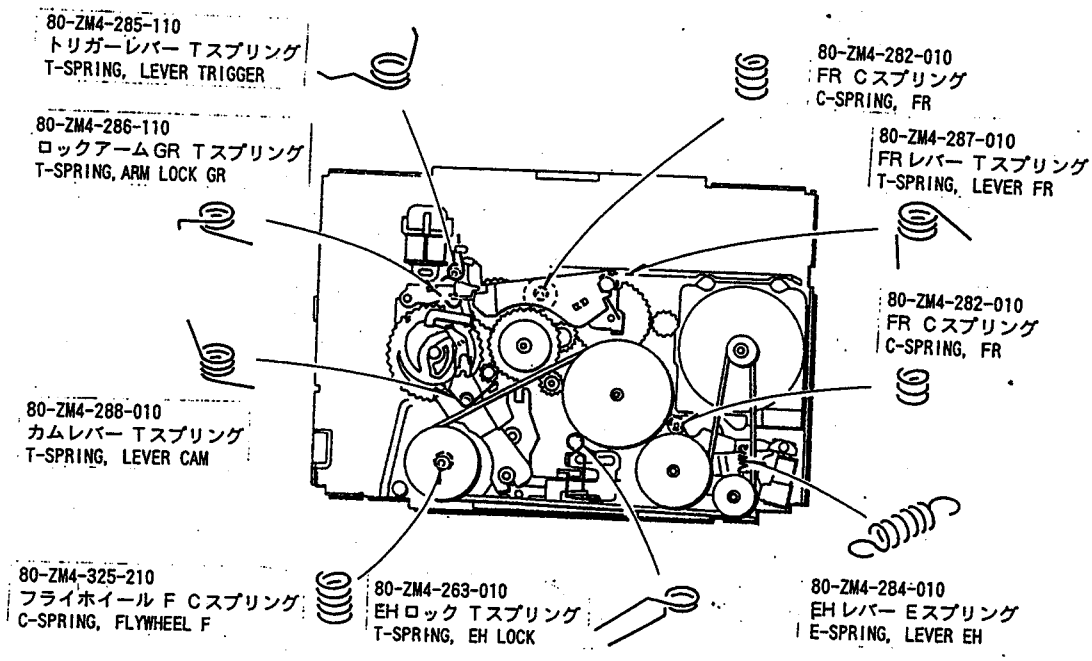


PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	2-1	80-ZM4-201-210	CHASSIS OUTSERT ASSY	*	1
	2-2	★ 80-ZM4-290-210	GEAR, REEL	*	2
	2-3	★ 80-ZM4-327-110	ARM, HEAD REC	*	1
	2-4	★ 80-ZM4-318-010	T-SPRING, PINCH BACK R	*	1
	2-5	★ 80-ZM4-254-410	LEVER PINCH R ASSY	*	1
	2-6	★ 80-ZM4-302-010	T-SPRING, PINCH JR	*	1
	2-7	★ 80-ZM4-297-010	T-SPRING, PINCH JL	*	1
	2-8	80-ZM4-247-410	LEVER PINCH L ASSY	*	1
	2-9	★ 80-ZM4-317-010	T-SPRING, PINCH BACK L	*	1
	2-10	★ 80-ZM4-289-110	T-SPRING, ARM HEAD	*	1
	2-11	★ 80-ZM4-209-110	HOLDER CASSETTE ASSY	*	1
	2-12	★ 80-ZM4-250-010	P-SPRING, HOLDER R	*	1
	2-13	★ 80-ZM4-251-010	P-SPRING, HOLDER L	*	1
	2-14	★ 80-ZM4-330-010	SHEET, 4.5-12	*	1
	2-15	★ 80-ZM4-321-010	HOLDER R	*	1
	2-16	★ 80-ZM4-322-010	HOLDER L	*	1
	2-17	★ 80-ZM4-230-110	REEL, CAP L	*	2
	2-18	★ 80-ZM4-283-310	C-SPRING, REEL	*	1
	2-19	80-ZM4-231-010	REEL, CAP R	*	1
	2-20	★ 80-ZM4-294-010	ARM HI ASSY R	*	1
	2-21	★ 80-ZM4-293-010	ARM HI ASSY L		1
	2-22	★ 86-550-512-010	T-SPRING, HI BACK L		1
	2-23	★ 86-550-511-010	T-SPRING, HI BACK R	*	2
	2-24	80-ZM4-267-110	SHAFT, HI	*	1
	2-25	★ 80-ZM4-333-010	PLATE A		

EXPLODED VIEW

REF.NO.	PART NO.	DESCRIPTION
A	87-067-859-010	PW0.8-2.5-0.2 SLT
B	80-ZM4-332-010	S-SCREW 1.4-1.6
C	87-067-861-010	SOMA-SHEET 1.2-2.4-0.13
D	80-ZM4-334-010	PW1.15-3-0.25
E	87-067-860-010	PW3-0.95-0.4
F	80-ZM4-324-010	PW1-6-0.25
G	87-067-359-010	S-SCREW 3-0.95-0.4
H	87-067-817-010	PW1.55-3.5-0.3
I	87-067-693-010	PW3-0.8-0.25 SLT
J	87-067-370-010	RW1.2-3-0.25
K	87-067-384-010	VT1.4-3.5HL
L	87-067-816-010	PW0.8-2.5-0.13 SLT
M	87-067-819-010	V+1.4-3C
N	87-067-569-010	PW0.83-2.5-0.25 CUT



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	3-1	★ 80-ZM4-243-110	PULLEY, IDLER	*	1
	3-2	80-ZM4-217-410	LEVER HEAD ASSY	*	1
	3-3	80-ZM4-305-110	LINK PLAY ASSY	*	1
	3-4	★ 80-ZM4-232-010	GEAR, CAM PLAY	*	1
	3-5	★ 80-536-467-010	PLATE, MR2		1
	3-6	★ 80-ZM4-227-010	GEAR, LINK B	*	1
	3-7	80-ZM4-235-210	GEAR, CAM	*	1
	3-8	★ 80-ZM4-219-010	ARM, LOCK FR	*	1
	3-9	★ 80-ZM4-274-010	ARM, LOCK GR	*	1
	3-10	★ 80-ZM4-286-110	T-SPRING, ARM LOCK GR	*	1
	3-11	★ 80-ZM4-225-010	LEVER, TRIGGER	*	1
	3-12	★ 80-ZM4-285-110	T-SPRING, LEVER TRIGGER	*	1
	3-13	★ 80-ZM4-221-110	LEVER CAM ASSY	*	1
	3-14	★ 80-ZM4-288-010	T-SPRING, LEVER CAM	*	1
	3-15	★ 80-ZM4-325-210	C-SPRING, FLYWHEEL F	*	1
	3-16	★ 80-ZM4-246-010	FLYWHEEL R ASSY	*	1
	3-17	80-ZM4-257-010	BELT	*	1
	3-18	80-ZM4-240-010	FLYWHEEL R ASSY	*	1
	3-19	★ 80-ZM4-245-210	GEAR SLIP ASSY	*	1
	3-20	★ 80-ZM4-218-110	LEVER GEAR PLAY ASSY	*	1
	3-21	★ 80-ZM4-233-010	GEAR, PLAY	*	1
	3-22	★ 80-ZM4-210-210	LEVER, LOCK FR	*	1
	3-23	★ 80-ZM4-222-110	LEVER IDLER ASSY	*	1
	3-24	★ 80-ZM4-287-010	T-SPRING, LEVER FR	*	1
	3-25	★ 80-ZM4-282-010	C-SPRING, FR	*	1
	3-26	★ 80-ZM4-234-010	GEAR, FR	*	1
	3-27	★ 80-ZM4-228-010	GEAR, IDLER R	*	1
	3-28	★ 80-ZM4-259-010	PLATE FR ASSY	*	1
	3-29	---	SHEET, AUTO		1
	3-30	★ 80-ZM4-229-010	GEAR, IDLER L	*	1
	3-31	★ 80-ZM4-244-010	GEAR, IDLER PLAY	*	1
	3-32	★ 80-ZM4-226-110	GEAR, LINK A	*	1
	3-33	★ 80-ZM4-329-110	SHEET, 3-0.8-0.25	*	1
	3-34	★ 80-ZM4-239-010	PULLEY GEAR ASSY	*	1
	3-35	★ 86-ZM4-331-010	SHEET, 8.5-2-0.15		1
	3-36	★ 86-550-455-010	SHEET, CUT 0.87-2.25-0.25		2
	3-37	★ 80-ZM4-349-010	SHEET, 1.53-3.5-0.5	*	1
	3-38	★ 80-ZM4-284-010	E-SPRING, LEVER EH	*	1
	3-39	★ 80-ZM4-261-010	LEVER REC PL ASSY	*	1
	3-40	★ 80-ZM4-263-010	T-SPRING, LOCK EH	*	1
	3-41	★ 80-ZM4-258-210	LEVER REC LINK ASSY	*	1
	3-42	★ 80-ZM4-262-110	LEVER REC EH ASSY	*	1
	3-43	★ 80-536-467-010	PLATE, MR2		1

SPRING APPLICATION POSITION